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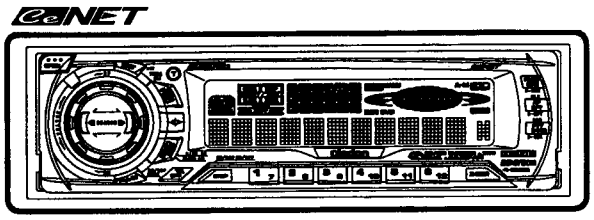
Published by Service Dept.
298-5736-00 Mar.1999 B
Printed in Japan

Service Manual



(ARX8570Rz)

RDS-EON/FM/MW/LW Radio Cassette Combination with MD/CD Changer/TV/DAB Control

Model ***ARX8570Rz***
(PE-1638E-A)

Model ***ARX8570RWz***
(PE-1638E-B / Grained panel)

■SPECIFICATIONS

Radio section

Tuning system:	PLL synthesizer tuner	
Receiving frequencies:	FM:	87.5 to 108MHz (0.05MHz steps)
	MW:	531 to 1602kHz(9kHz steps)
	LW:	153 to 279kHz(3kHz steps)

Tape deck section

Cassette type:	Compact audio cassette
Wow & flutter:	0.06%(WRMS)
Frequency response:	30Hz to 20kHz(Metal)
Signal to noise ratio:	Metal 58dB
	Dolby B NR 67dB
	Dolby C NR 74dB

General

Max. power output:	4×45W
Power supply voltage:	14.4V DC(10.8 to 15.6V allowable) negative ground
Power consumption:	Less than 15A
Speaker impedance:	4Ω(4Ω to 8Ω allowable)
Auto antenna rated current:	500mA or less
Dimensions(mm):	Main unit 178(W)×50(H)×155(D)
	Remote control unit 44(W)×110(H)×27(D)
Weight:	Main unit 1.7kg
	Remote control unit 30g(including battery)

※ Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation
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※ Specifications and design are subject to change without notice for further improvement.

■COMPONENTS

PE-1638E-A / PE-1638E-B

Main unit	—————	1
Remote control	RCB-130-700	1
Battery(SUM-3)	—————	2
Mounting bracket	300-7745-00	1
DCP case	335-6035-02	1
Outer escutcheon(PE-1638E-A)	370-5774-00	1
Outer escutcheon(PE-1638E-B)	370-5774-01	1
Parts bag	—————	
Removal tool	331-2548-00	2
Spacer	345-3653-01	1
Screw	716-0726-01	1
A-lead	850-6681-00	1

■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding,gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur.
   If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

■ NOTE

※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

■ NOTES OF ISO CONNECTOR

1. For VW and Audi vehicles, change the position of fuse installation as shown on the diagram. (Figure 1)

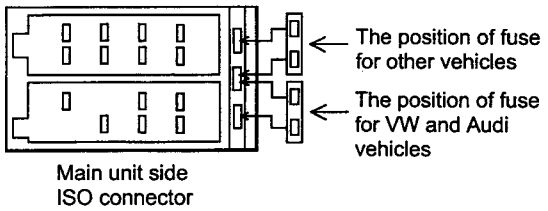


Figure 1

2. The lead include with the unit must be connected to the specified position of the vehicle's ISO connector in order to use the "triggered audio mute for cellular telephones" function. (Figure 2)

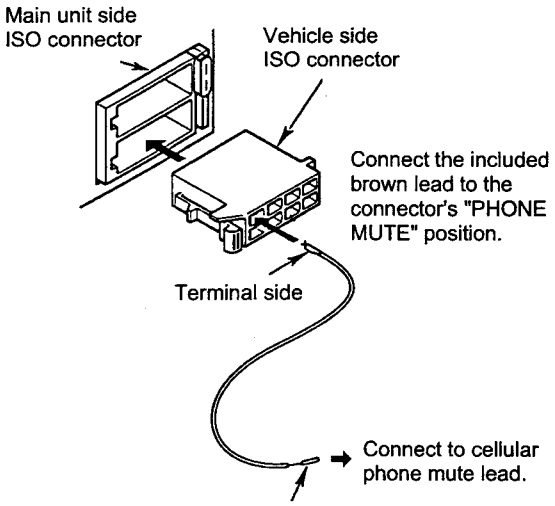


Figure 2

■ADJUSTMENT

Item	Procedure	Measuring instrument
S-meter	1. Input the 98.1MHz/30dBμ(400Hz-MOD 100%)signal. 2. Turn on the power switch and press the ENT button and CH6 button at the same time for about 2 secounds.(TEST MODE) 3. Adjust the reading of LCD indicator to 『30----00』 (3.0V±0.2V) by VR of tuner pack.	SG
Dolby level	1. Playback a Dolby level test tape(400Hz,200nWb/m) and connect the Milli-volt meter to TP101(L)/TP102(R). 2. Adjust VR101(L)/VR102(R) to obtain an output of TP101(L)/TP102(R) is 388mV ±1dB.(Dolby SW:off)	Dolby test tape Milli-volt meter
Azimuth adjustment	1. Playback a azimuth test tape(10kHz,−10VU) and turn each azimuth-adjusting screw to make each FOW & REV Maximum. 2. After adjustment,make adhesion with bond.	Azimuth test tape Milli-volt meter
Tape speed	1. Playback a Wow & flutter test tape(3kHz,−10VU) and connect the frequency counter to TP101(L) or TP102(R). 2. Adjust Speed VR of the motor to obtain an output of TP101(L),TP102(R) is 3000Hz±45Hz.	Wow & flutter test tape Frequency counter

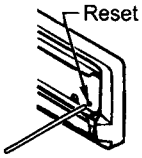
■ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.
Take the measures described below to eliminate the problem.

	Error display	Cause	Measure
Tape	ERROR 1	Tape cannot be played due to defective tape such as cut tape.	Eject the tape then replace it with a new one.
	ERROR 2	Tape is caught and cannot be played.	Remove the caught or wound tape.
	ERROR 4	Tape mode cannot be detected.	This is a failure of tape mechanism.
	ERROR 8	Tape is caught and cannot be ejected.	Eliminate the reason for which the tape is caught.
CD CHANGER	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD CHANGER	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button.

■TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the OPEN button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. 

■ EXPLANATION OF IC

■ M30620MC-336GP 052-3347-00 RDS Tuner / Cassette Controller (Ce-NET)

1. Outward Form : 100 pins QFP

2. Function : Cassette mechanism control, PLL IC control, Electric volume IC control, Ce-NET

3. Terminal Description

pin 1 : N.C. : IN : Not in use.
pin 2 : N.C. : IN : Not in use.
pin 3 : APC SENSE : O : Sensitivity control signal output. "L"= Play, "H"= FF/REW
pin 4 : N.C. : IN : Not in use.
pin 5 : RDS CLK : IN : Clock pulse input from RDS decoder.
pin 6 : BYTE : IN : Connect to ground.
pin 7 : CNVSS : IN : Connect to ground.
pin 8 : SUB CK IN : IN : Crystal connection. (32.768kHz)
pin 9 : SUB CK OUT : O : Crystal connection. (32.768kHz)
pin 10 : RESET_ : IN : Reset signal input. Negative logic.
pin 11 : X OUT : O : Crystal connection. (10MHz)
pin 12 : VSS : - : Ground.
pin 13 : X IN : IN : Crystal connection. (10MHz)
pin 14 : VCC : - : Positive supply voltage.
pin 15 : N.C. : IN : Not in use.
pin 16 : ACC DET : IN : ACC ON signal input.
pin 17 : B/U DET_ : IN : Backup voltage OFF signal input. "L"=Backup OFF
pin 18 : KEY INT_ : IN : Interrupt signal input of FUNC/EJECT key and DCP take off switch.
pin 19 : 27pinCONNECT : IN : Connect to pin 27.
pin 20 : N.C. : IN : Not in use.
pin 21 : N.C. : IN : Not in use.
pin 22 : N.C. : O : Not in use.
pin 23 : DISP RESET : O : Display IC reset signal output.
pin 24 : PULSE DIMM : O : Pulse dimmer / Back light LED ON signal output.
pin 25 : N.C. : IN : Not in use.
pin 26 : N.C. : O : Not in use.
pin 27 : IE BUS RX : IN : IE Bus communication line.
pin 28 : IE BUS TX : O : IE Bus communication line.
pin 29 : N.C. : O : Not in use.
pin 30 : N.C. : IN : Not in use.
pin 31 : INITIAL OUT : O : Memory clear signal output to EEPROM.
pin 32 : PLL CE : O : PLL chip enable signal output.
pin 33 : PLL DO : O : PLL serial data output.
pin 34 : PLL DI : IN : PLL serial data input.
pin 35 : PLL SCK : O : PLL serial clock output.
pin 36 : FM STEREO_ : IN : FM stereo detection signal input. Negative logic.
pin 37 : NON FADER 1 : O : Non fader volume control signal output. Ref. Table 1.
pin 38 : NON FADER 2 : O : Non fader volume control signal output. Ref. Table 1.
pin 39 : NON FADER 3 : O : Non fader volume control signal output. Ref. Table 1.
pin 40 : N.C. : IN : Not in use.
pin 41 : N.C. : IN : Not in use.
pin 42 : VOLUME CLK : O : Serial clock output to Electric volume.
pin 43 : VOLUME DO : O : Serial data output to Electric volume.
pin 44 : N.C. : O : Not in use.
pin 45 : CATS LED : O : CATS LED control signal output.
pin 46 : DOLBY ON_ : O : Dolby ON signal output. Negative logic.
pin 47 : DOLBY B/C : O : "L"= Dolby C, "H"=Dolby B.
pin 48 : POWER M 1 : O : Power motor control signal output. Ref. Table 2.
pin 49 : POWER M 2 : O : Power motor control signal output. Ref. Table 2.
pin 50 : FWD/REV : O : "L"= FWD, "H"= REV.
pin 51 : N.C. : O : Not in use.
pin 52 : APC DETECT_ : IN : "H"= Interval.
pin 53 : TAPE IN : IN : "H"=Tape loading start.
pin 54 : BIT 2 : IN : Mechanism mode switch signal input. Ref. Table 3.
pin 55 : BIT 1 : IN : Mechanism mode switch signal input. Ref. Table 3.
pin 56 : BIT 3 : IN : Mechanism mode switch signal input. Ref. Table 3.
pin 57 : N.C. : O : Not in use.
pin 58 : REEL PULSE : IN : Reel pulse input terminal.
pin 59 : MAIN MOTOR : O : Main motor ON signal output.
pin 60 : VCC : - : Positive supply voltage.
pin 61 : MECH ON : O : Power supply control signal output for the tape mechanism. "H"= ON.
pin 62 : VSS : - : Ground.
pin 63 : N.C. : IN : Not in use.
pin 64 : N.C. : IN : Not in use.
pin 65 : N.C. : IN : Not in use.
pin 66 : N.C. : IN : Not in use.
pin 67 : N.C. : IN : Not in use.
pin 68 : N.C. : IN : Not in use.
pin 69 : NAVI MUTE : O : Mute signal output for the audio signal of Navigation.
pin 70 : N.C. : IN : Not in use.
pin 71 : 5V REM : O : 5V power supply ON signal output for Micro computer.
pin 72 : KEY ILL REM : O : Key illumination ON signal output.
pin 73 : AMP MUTE : O : Mute signal output to Power Amplifier.
pin 74 : SYS MUTE_ : O : System mute signal output. Negative logic.
pin 75 : LINE MUTE : O : Mute signal output for Audio signal of Ce-NET.
pin 76 : BUS IN/OUT : O : Ce-NET audio bus select signal output.
pin 77 : SYS ACC : O : ACC detect signal output to slave micro computer.
pin 78 : AMP REM DET_ : IN : Output "L" when the remote line is shorted.
pin 79 : AMP REM OUT : O : Amplifier ON signal output terminal.
pin 80 : SOFT MUTE : O : "H"= Soft mute ON.
pin 81 : PHONE INT : IN : Telephone interrupt signal input.
pin 82 : N.C. : IN : Not in use.
pin 83 : N.C. : IN : Not in use.
pin 84 : FM SD : IN : FM station detect signal input.
pin 85 : AM SD : IN : AM station detect signal input.
pin 86 : RDS DATA : IN : RDS data input.
pin 87 : RDS DISCG : O : Discharge signal output of NOISE 1.
pin 88 : RDS MUTE : O : RDS mute signal output.
pin 89 : S METER : IN : RDS FM S meter signal input.
pin 90 : NOISE 1 : IN : RDS noise level detector input.
pin 91 : N.C. : IN : Not in use.
pin 92 : ILL DET_ : IN : Illumination ON signal input. Negative logic.
pin 93 : DIMMER IN : IN : Voltage detector input terminal for Automatic Dimmer.
pin 94 : A VSS : - : Ground terminal for A/D converter.
pin 95 : KEY A/D : IN : Input terminal of A/D converter for Key judgment. Ref. Table 4.
pin 96 : VREF : IN : Reference voltage for A/D converter.
pin 97 : A VCC : - : Positive supply voltage for A/D converter.
pin 98 : N.C. : IN : Not in use.
pin 99 : N.C. : O : Not in use.
pin100 : N.C. : IN : Not in use.

Table 1. Non fader volume control signal output

ATT	N-F 1 (pin37)	N-F 2 (pin38)	N-F 3 (pin39)
0	L	L	L
1	L	L	H
2	L	H	L
3	L	H	H
4	H	L	L
5	H	L	H
6	H	H	L
7	H	H	H

Table 2. Power motor control signal output

Mechanism Mode	Power M 1 (pin48)	Power M 2 (pin49)
Loading head shift forward	H	L
Eject head go back	L	H
Brake	H	H
Stop	L	L

Table 3. Mechanism mode switch signal input

Mechanism Mode	bit 1 (pin55)	bit 2 (pin54)	bit 3 (pin56)
Eject	H	H	H
Loading	H	H	L
Stop	L	H	L
FWD FF (REV REW)	L	L	H
FWD REW (REV FF)	H	L	L
FWD Play	H	L	H
REV Play	L	H	H

Table 4. A/D converter for Key judgment(pin95)

Judgment	A/D steps		
Eject key	0/256	to	25/256
Function key	26/256	to	51/256
With DCP (type A/B)	205/256	to	221/256
With DCP (Deck)	222/256	to	238/256
without DCP	239/256	to	256/256

■ M30622MC-193GP 052-7040-00 CD Tuner Display and Keys (Ce-NET)

1. Outward Form : 100 pins QFP

2. Function : LCD display control, Key scan, Ce-NET communication

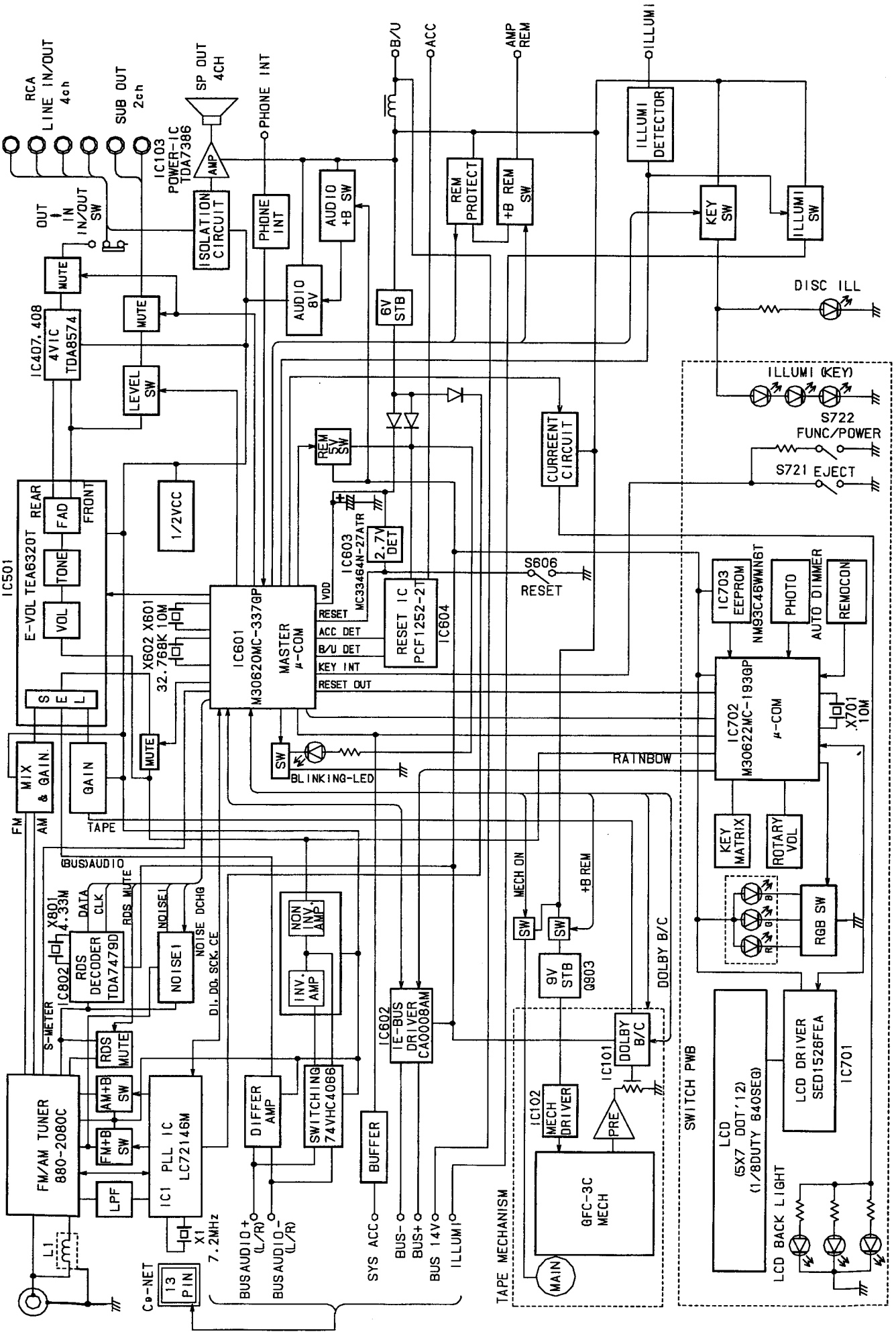
3. Terminal Description

pin 1 : N.C. : IN : Not in use.
pin 2 : CONTRAST : O : LCD Contrast control signal output. (Analog signal)
pin 3 : N.C. : O : Not in use.
pin 4 : N.C. : IN : Not in use.
pin 5 : REMOCON : IN : Remote controller signal input terminal.
pin 6 : BYTE : IN : Input "L" at single mode operation.
pin 7 : CNVSS : IN : Input "L" at single mode operation.
pin 8 : INITIAL 1 : IN : Destination setting terminal. Ref. Table 1.
pin 9 : INITIAL 2 : IN : Destination setting terminal. Ref. Table 1.
pin 10 : RESET_ : IN : System reset input. Negative logic.
pin 11 : X OUT : O : Crystal connection.
pin 12 : VSS : - : Ground.
pin 13 : X IN : IN : Crystal connection.
pin 14 : VCC : - : Positive supply voltage.
pin 15 : N.C. : IN : Not in use.
pin 16 : SYS ACC IN : IN : ACC ON signal input.
pin 17 : N.C. : IN : Not in use.
pin 18 : N.C. : IN : Not in use.
pin 19 : 27pinCONNECT : IN : Connect to 27pin.
pin 20 : LCD RESET : O : LCD driver reset signal output.
pin 21 : INITIAL IN : IN : EEPROM clear signal input.
pin 22 : N.C. : IN : Not in use.
pin 23 : N.C. : IN : Not in use.
pin 24 : N.C. : IN : Not in use.
pin 25 : N.C. : IN : Not in use.
pin 26 : N.C. : IN : Not in use.
pin 27 : IE BUS RX : IN : IE Bus communication line.
pin 28 : IE BUS TX : O : IE Bus communication line.
pin 29 : N.C. : IN : Not in use.
pin 30 : N.C. : IN : Not in use.
pin 31 : N.C. : IN : Not in use.
pin 32 : N.C. : IN : Not in use.
pin 33 : PROM DO : O : EEPROM Data output.
pin 34 : PROM DI : IN : EEPROM Data input.
pin 35 : PROM SCK : O : EEPROM Clock output.
pin 36 : PROM CS : O : EEPROM Chip enable output.
pin 37 : N.C. : IN : Not in use.
pin 38 : N.C. : IN : Not in use.
pin 39 : N.C. : IN : Not in use.
pin 40 : N.C. : IN : Not in use.
pin 41 : N.C. : IN : Not in use.
pin 42 : N.C. : IN : Not in use.
pin 43 : N.C. : IN : Not in use.
pin 44 : N.C. : IN : Not in use.
pin 45 : N.C. : IN : Not in use.
pin 46 : N.C. : IN : Not in use.
pin 47 : N.C. : IN : Not in use.
pin 48 : N.C. : IN : Not in use.
pin 49 : N.C. : IN : Not in use.
pin 50 : N.C. : IN : Not in use.
pin 51 : N.C. : IN : Not in use.
pin 52 : LED RED : O : Rainbow LED control output.
pin 53 : LED GREEN : O : Rainbow LED control output.
pin 54 : LED BLUE : O : Rainbow LED control output.
pin 55 : N.C. : IN : Not in use.
pin 56 : LCD WR_ : O : Write command output to LCD driver. Negative logic.
pin 57 : LCD RD_ : O : Read command output to LCD driver. Negative logic.
pin 58 : LCD CS 1_ : O : Chip enable signal output to LCD driver. Negative logic.
pin 59 : LCD AO : O : Address/Data select signal output to LCD driver.
pin 60 : VCC : - : Positive supply voltage.
pin 61 : N.C. : IN : Not in use.
pin 62 : VSS : - : Ground.
pin 63 : D7 : O : Data/Address output to LCD driver. Negative logic.
pin 64 : D6 : O : Data/Address output to LCD driver. Negative logic.
pin 65 : D5 : - : Data/Address output to LCD driver. Negative logic.
pin 66 : D4 : O : Data/Address output to LCD driver. Negative logic.
pin 67 : D3 : O : Data/Address output to LCD driver. Negative logic.
pin 68 : D2 : O : Data/Address output to LCD driver. Negative logic.
pin 69 : D1 : O : Data/Address output to LCD driver. Negative logic.
pin 70 : D0 : O : Data/Address output to LCD driver. Negative logic.
pin 71 : N.C. : IN : Not in use.
pin 72 : N.C. : IN : Not in use.
pin 73 : N.C. : IN : Not in use.
pin 74 : N.C. : IN : Not in use.
pin 75 : N.C. : IN : Not in use.
pin 76 : N.C. : IN : Not in use.
pin 77 : JOG CCW : IN : Jog key signal input.
pin 78 : JOG CW : IN : Jog key signal input.
pin 79 : N.C. : IN : Not in use.
pin 80 : N.C. : IN : Not in use.
pin 81 : KO 5 : O : Key scan output terminal.
pin 82 : KO 4 : O : Key scan output terminal.
pin 83 : KO 3 : O : Key scan output terminal.
pin 84 : KO 2 : O : Key scan output terminal.
pin 85 : KO 1 : O : Key scan output terminal.
pin 86 : KO 0 : O : Key scan output terminal.
pin 87 : KI 3 : IN : Key scan input terminal.
pin 88 : KI 2 : IN : Key scan input terminal.
pin 89 : KI 1 : IN : Key scan input terminal.
pin 90 : KI 0 : IN : Key scan input terminal.
pin 91 : N.C. : IN : Not in use.
pin 92 : RAINBOW IN : IN : Audio signal input terminal of bulit-in A/D converter, for the rainbow LED.
pin 93 : TEMP DET : IN : Temperature signal input of bulit-in A/D converter.
pin 94 : A VSS : - : Ground terminal for bulit-in A/D converter.
pin 95 : N.C. : IN : Not in use.
pin 96 : VREF : IN : Reference voltage terminal for bulit-in A/D converter.
pin 97 : AVCC : - : Positive supply voltage terminal for bulit-in A/D converter.
pin 98 : N.C. : IN : Not in use.
pin 99 : N.C. : IN : Not in use.
pin100 : N.C. : IN : Not in use.

Table 1. Destination setting

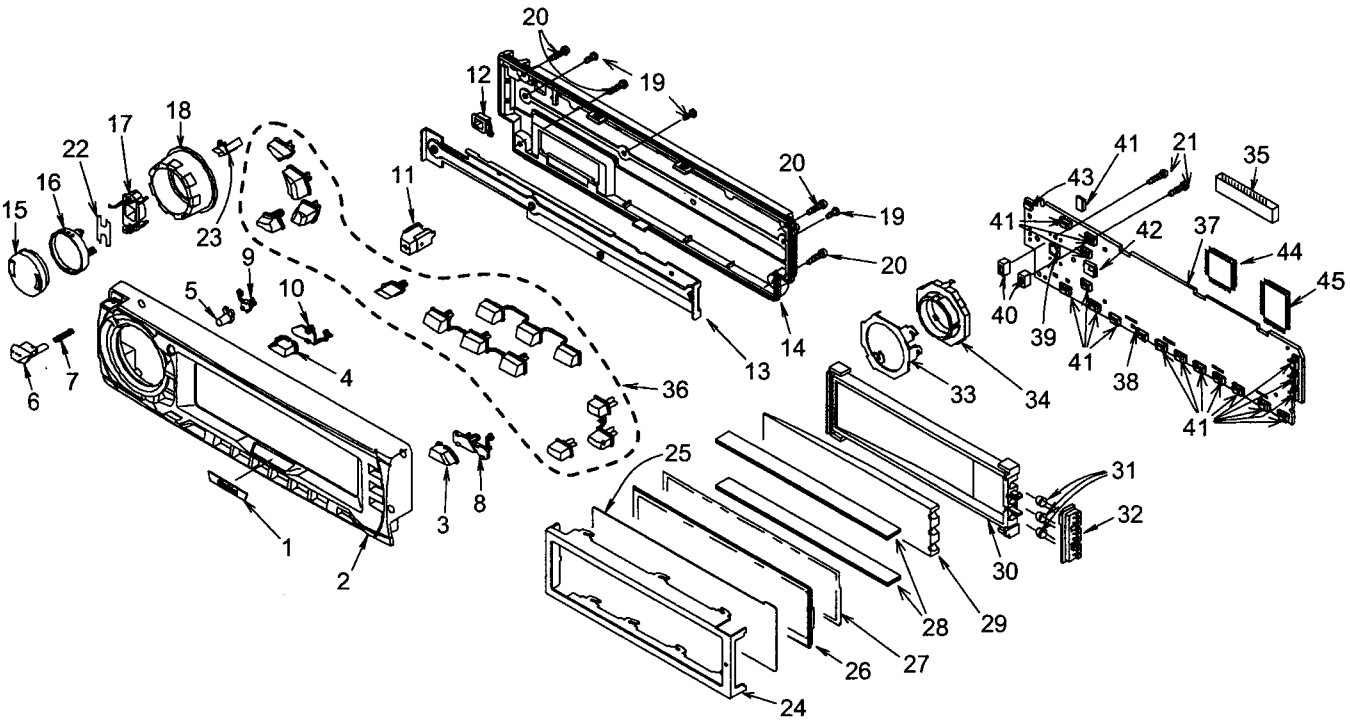
	U.S.A.	Other	Japan	Europe
INITIAL 1 (pin 8)	H	L	H	L
INITIAL 2 (pin 9)	L	L	H	H

■BLOCK DIAGRAM



■EXPLODED VIEW • PARTS LIST

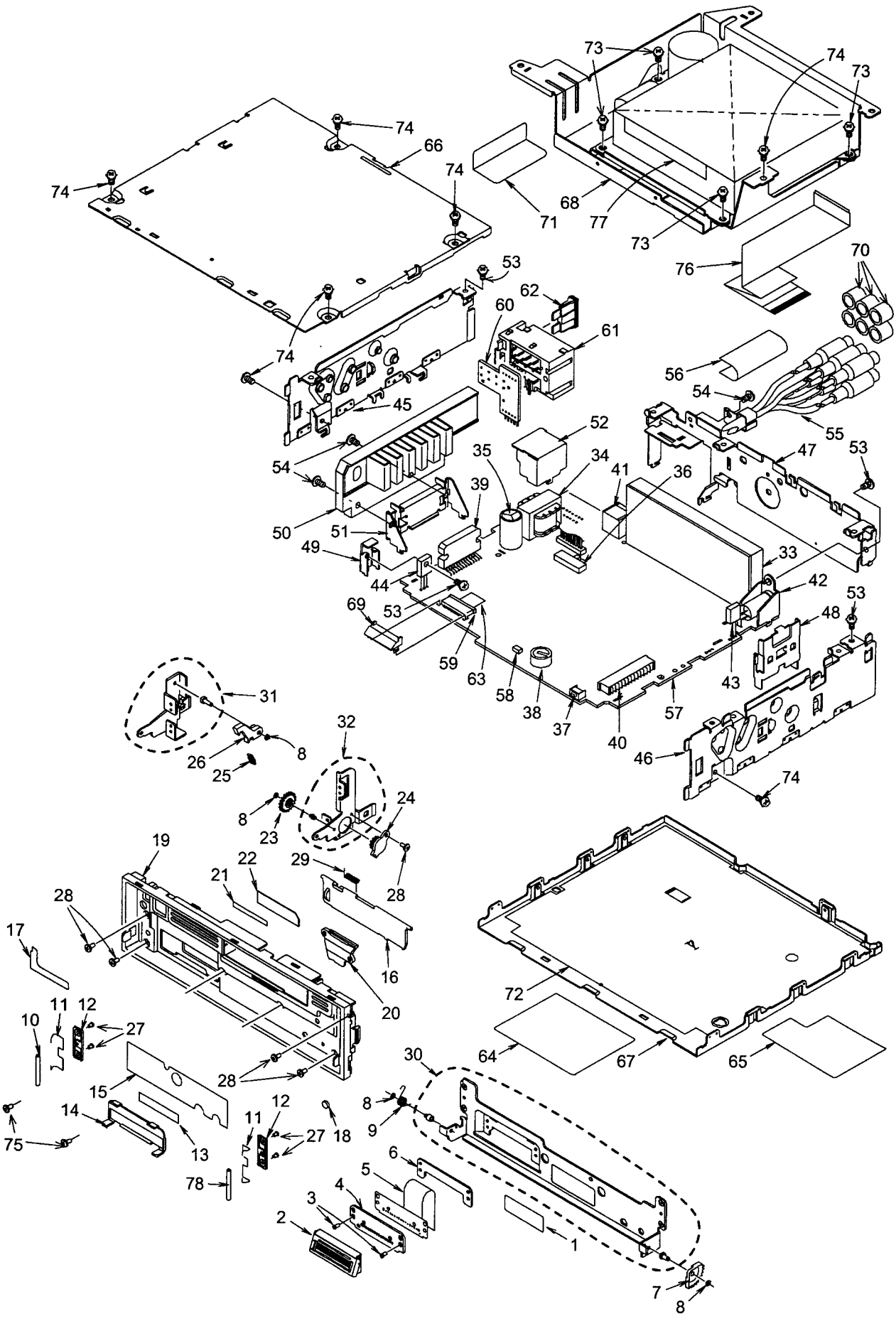
Esctcheon section



NO.	PART NO.	DESCRIPTION	Q'TY
1	378-0515-00	BADGE	1
2	370-5770-13 370-5770-14	ESCTCHEON (ARX8570Rz) ESCTCHEON (ARX8570RWz)	1
3	382-5145-00	BUTTON (Z-EHCR)	1
4	382-5150-00	BUTTON (DISP)	1
5	382-5155-00	BUTTON (TITLE)	1
6	382-5152-00	BUTTON (OPEN)	1
7	750-3339-10	SPRING(OPEN)	1
8	335-5832-00	BUTTON HOLDER (Z-EHCR)	1
9	335-5834-00	BUTTON HOLDER (TITLE)	1
10	335-5835-00	BUTTON HOLDER (DISP)	1
11	335-5833-00	IR FILTER	1
12	382-5172-00	BUTTON (EJECT)	1
13	331-2554-00	REAR-COVER-PLATE	1
14	335-5860-00	REAR COVER	1
15	382-5159-00	BUTTON (SRCH)	1
16	335-5841-00	BUTTON HOLDER (SRCH)	1
17	382-5842-00	BASE PLATE (SRCH)	1
18	380-5437-00	JOG DIAL	1
19	738-2035-17	PRECISION SCREW	3
20	716-0872-12	PAD SCREW (M1.7×8BLK)	4
21	716-0872-01	PAD SCREW (M1.7×6)	2
22	347-5951-10	REFLECTOR (SRCH)	1
23	335-5836-00	IR FILTER	1

NO.	PART NO.	DESCRIPTION	Q'TY
24	331-2522-00	LCD COVER	1
25	373-0908-10	DIAL COVER	1
26	379-1133-51	INDICATOR	1
27	347-5911-10	CCS FILM	1
28	345-8261-10	RUBBER CONNECTOR	2
29	335-5850-00	ILLUMI PLATE	1
30	335-5851-00	LCD HOLDER	1
31	001-7030-00	DIODE (NSPB310A)	3
32	335-5852-00	LED HOLDER	1
33	331-2538-00	JOG-SW-HOLDER	1
34	013-8001-00	JOG ROTALY SWITCH	1
35	076-0535-01	PLUG	1
36	947-0489-01	BUTTON ASSY	1
37	039-1325-01	SWITCH PWB (WITHOUT COMPONENT)	1
38	001-7011-02	DIODE (CL-150YG-CD)	1
39	001-7039-00	DIODE (NSCM310A)	1
40	013-6302-50	SWITCH	2
41	013-6504-00	LUMI SWITCH	19
42	060-4008-00	IR-RECEIVER	1
43	060-4011-80	PHOTO TRANSISTOR	1
44	051-9400-38	IC (M93C46-WMN6T)	1
45	052-7040-00	IC (M30622MC-193GP)	1

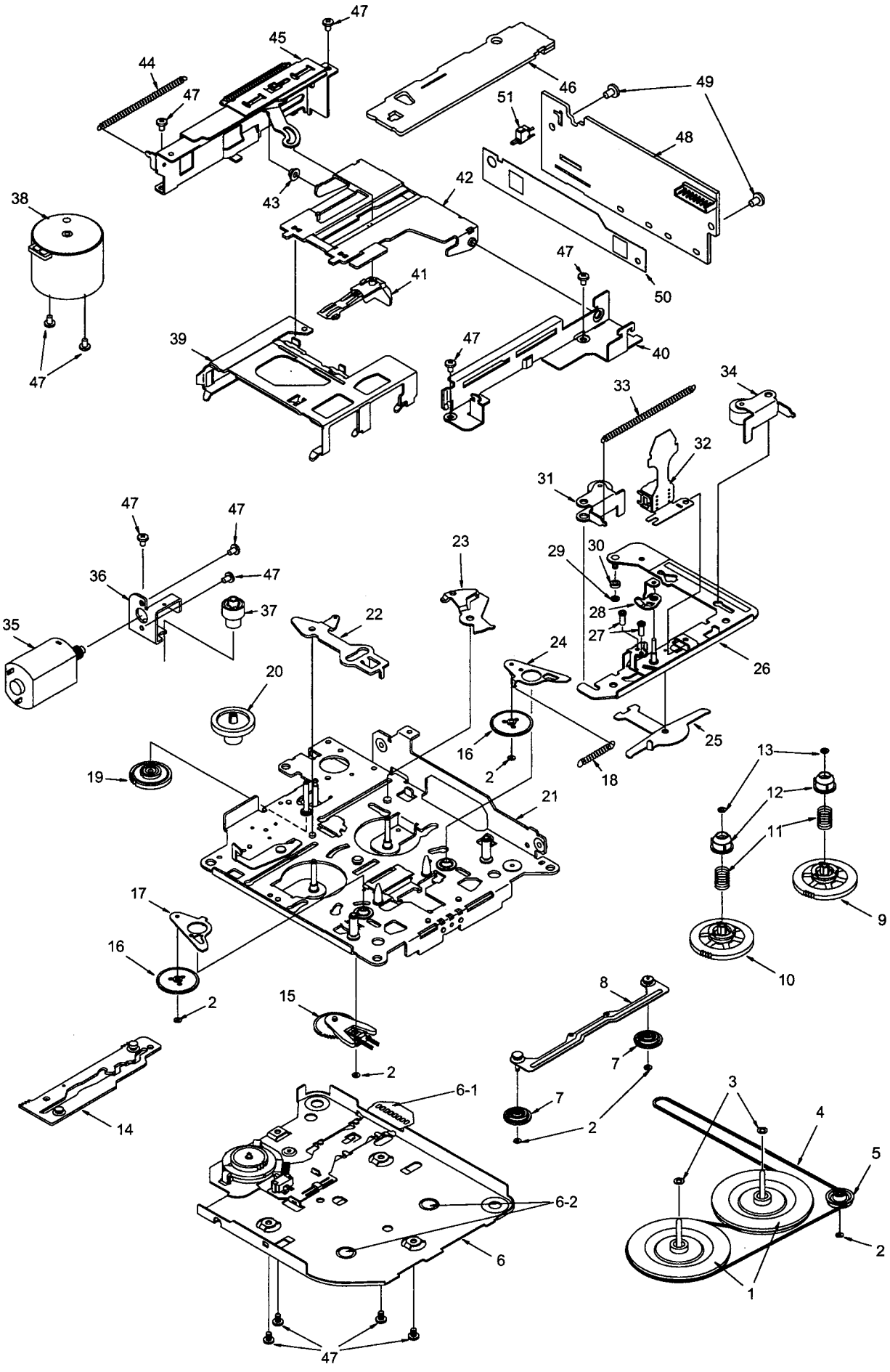
Main section



NO.	PART NO.	DESCRIPTION	Q'TY
1	291-0078-00	STICKER	1
2	074-1145-01	OUTLET SOCKET	1
3	781-1735-00	PRECISION SCREW	2
4	039-1306-00	DCP PWB (WITHOUT COMPONENT)	1
5	039-1328-01	FPC (WITHOUT COMPONENT)	1
6	347-5935-10	SPACER	1
7	613-0686-00	FAN GEAR	1
8	746-0761-00	WASHER	4
9	750-3342-00	SPRING	1
10	341-1704-00	ROLLER (LEFT)	1
11	750-3327-01	SPRING	2
12	335-5848-00	SPRING HOLDER	2
13	347-5919-10	SURGE PROTECT	1
14	335-5849-00	CONNECTOR COVER	1
15	290-7676-10	LABEL	1
16	320-0562-00	DUSTPROOF COVER	1
17	347-5941-10	HEAT PROTECT	1
18	345-8265-11	CUSHION	2
19	370-5776-00	INNER ESCUTCHEON	1
20	335-5846-00	ILLUMI PLATE	1
21	347-5923-10	DOUBLE FACE	1
22	347-5922-10	COVER FILM	1
23	613-0685-00	GEAR	1
24	613-0687-00	GEAR DAMPER	1
25	750-3341-10	SPRING	1
26	335-5847-00	HOOK	1
27	738-1722-17	PRECISION SCREW	4
28	780-2004-01	SCREW	5
29	750-3343-00	SPRING	1
30	946-0073-00	HOLDER ASSY	1
31	946-0074-01	ARM-L-ASSY	1
32	946-0075-01	ARM-R-ASSY	1
33	880-2080C	TUNER	1
34	009-9006-85	CHOKE	1
35	042-0447-00	ALUMI-ELE-C (16V2200 μF)	1
36	013-5102-00	SWITCH	1
37	013-6100-00	RESET SWITCH	1
38	042-0596-00	DOUBLE-LAYER-C (5.5V0.33F)	1
39	051-2025-00	IC (TDA7386)	1
40	074-0986-22	OUTLET SOCKET	1

NO.	PART NO.	DESCRIPTION	Q'TY
41	074-1194-00	OUTLET SOCKET	1
42	092-9000-41	ANTENNA RECEPTACLE	1
43	101-1143-00	TRANSISTOR (2SB1143)	1
44	102-3420-00	TRANSISTOR (2SC3420)	1
45	305-0276-00	SIDE COVER (L)	1
46	305-0277-00	SIDE COVER (R)	1
47	307-0617-00	REAR COVER	1
48	313-1747-00	HEAT SINK	1
49	313-1745-00	HEAT SINK	1
50	313-1746-00	HEAT SINK	1
51	331-2547-00	IC HOLDER	1
52	331-2549-00	SHIELD CASE	1
53	714-3006-81	MACHINE SCREW (M3×6)	4
54	731-3006-80	TAPTIGHT	3
55	855-5405-00	RCA PIN CORD	1
56	347-5423-00	PROTECTION TAPE	1
57	039-1402-00	MAIN PWB (WITHOUT COMPONENT)	1
58	001-7011-02	DIODE (CL-150YG-CD)	1
59	074-1198-18	OUTLET SOCKET	1
60	039-0887-00	ISO PWB (WITHOUT COMPONENT)	1
61	074-1115-00	OUTLET SOCKET	1
62	060-0057-57	AUTO FUSE (15A)	1
63	347-6010-10	SPACER	1
64	286-9112-00 286-9113-00	SETPLATE (ARX8570Rz) SETPLATE (ARX8570RWz)	1
65	290-7672-20	LABEL	1
66	303-0473-00	UPPER COVER	1
67	304-0462-00	LOWER COVER	1
68	331-2546-00	MECHANISM BRACKET	1
69	335-6020-00	CONNECTOR COVER	1
70	345-3799-00	RUBBER CAP	6
71	347-5913-10	SPACER	1
72	347-5918-10	INSULATOR	1
73	714-2605-81	MACHINE SCREW (M2.6×5)	4
74	731-3006-80	TAPTIGHT	7
75	780-2004-01	SCREW	2
76	816-2478-80	FLAT WIRE	1
77	930-0798-82	TAPE-MECHA-MODULE	1
78	341-1710-10	ROLLER (RIGHT)	1

Tape mechanism section



NO.	PART NO.	DESCRIPTION	Q'TY
1	611-0091-03	FLYWHEEL	2
2	746-0724-00	WASHER	6
3	746-0624-00	WASHER	2
4	602-0118-00	BELT	1
5	604-0046-00	TENSION PULLEY	1
6	960-4450-00	BOTTOM SUB ASSY	1
6-1	099-9926-01	BOTTOM PWB (WITHOUT COMPONENT)	1
6-2	746-0767-00	WASHER	2
7	613-0286-02	FF/REW GEAR	2
8	960-4262-03	FF/REW PLATE ASSY	1
9	960-4430-00	REEL ASSY F	1
10	960-4431-00	REEL ASSY R	1
11	750-2949-00	SLIDE SPRING	2
12	631-1993-01	SLIDE BUSH	2
13	746-0761-00	WASHER	2
14	960-4266-20	MODE PLATE ASSY	1
15	960-4282-06	DETECT SUB ASSY	1
16	613-0662-00	IDLER GEAR	2
17	960-4264-03	IDOLER PLATE ASSY R	1
18	750-3017-02	IDLER SPRING	1
19	613-0337-00	POWER GEAR	1
20	613-0289-01	GEAR A	1
21	960-4294-22	DECK PLATE ASSY	1
22	960-4301-02	PLAY LINK ASSY	1
23	630-2598-05	EJECT LINK	1
24	960-4263-03	IDOLER PLATE ASSY F	1
25	630-2597-01	CHANGE LINK	1

NO.	PART NO.	DESCRIPTION	Q'TY
26	960-4261-20	HEAD PLATE ASSY	1
27	716-0833-10	AZIMUTH SCREW	2
28	630-2600-01	ADJUST LINK	1
29	746-0762-00	WASHER	1
30	610-0342-01	HADE PLATE ROLLER	1
31	960-4270-05	ROLLER ASSY R	1
32	011-0328-00	HEAD	1
33	750-2946-02	PINCH SPRING	1
34	960-4269-05	ROLLER ASSY F	1
35	SMA-131-100	POWER MOTOR ASSY	1
36	630-2601-02	MOTOR PLATE	1
37	613-0288-01	HELICAL GEAR	1
38	SMA-130-100	MAIN MOTOR ASSY	1
39	606-0093-82	PACK GUIDE	1
40	630-2626-05	PWB FRAME	1
41	631-1992-02	PACK STOPPER	1
42	630-2642-01	GUIDE ARM	1
43	610-0343-00	GUIDE A ROLLER	1
44	750-2947-04	EJECT PLATE SPRING	1
45	960-4389-20	EJECT SUB ASSY	1
46	039-0053-00	SIDE PWB (WITHOUT COMPONENT)	1
47	716-0484-00	SCREW	13
48	HBS-488-100	REAR PWB ASSY (WITH COMPONENT)	1
49	716-0761-01	PWB SCREW	2
50	347-4080-01	INSULATOR	1
51	013-3906-00	SWITCH	1

■ELECTRICAL PARTS LIST

Main PWB section(B1)

REF No.	PART No.	DESCRIPTION
ANT1	092-9000-41	ANT RECEPT
C1	176-1801-00	18pF CH
C2	178-1032-78	0.01 μF
C3	178-1032-78	0.01 μF
C4	176-1011-00	100pF CH
C5	042-0592-73	50V1 μF
C6	178-6822-78	6800pF
C7	183-4763-31	16V47 μF
C8	178-1522-78	1500pF
C9	178-1032-78	0.01 μF
C10	178-4732-78	0.047 μF
C11	178-1832-78	0.018 μF
C12	178-1832-78	0.018 μF
C14	178-1042-78	0.1 μF
C15	042-0592-73	50V1 μF
C16	178-8222-78	8200pF
C17	178-1222-78	1200pF
C18	176-1011-00	100pF CH
C19	176-1011-00	100pF CH
C21	176-1011-00	100pF CH
C22	176-1011-00	100pF CH
C24	176-1501-00	15pF CH
C25	176-1801-00	18pF CH
C30	183-1073-12	6.3V100 μF
C31	178-1032-78	0.01 μF
C35	178-1032-78	0.01 μF
C36	178-2212-78	220pF
C37	042-0592-61	16V47 μF
C38	178-1022-78	1000pF
C39	178-4732-78	0.047 μF
C101	042-0592-58	16V 10 μF

REF No.	PART No.	DESCRIPTION
C102	042-0592-58	16V 10 μF
C103	042-0592-58	16V 10 μF
C104	042-0592-58	16V 10 μF
C105	042-0592-58	16V 10 μF
C106	042-0592-58	16V 10 μF
C107	042-0592-58	16V 10 μF
C108	042-0592-58	16V 10 μF
C109	043-0296-00	0.1 μF
C110	043-0296-00	0.1 μF
C111	043-0296-00	0.1 μF
C112	043-0296-00	0.1 μF
C113	183-1063-31	16V10 μF
C114	178-4742-78	0.47 μF
C115	183-4763-31	16V47 μF
C116	042-0592-66	35V 4.7 μF
C117	176-1011-00	100pF CH
C118	176-1011-00	100pF CH
C119	176-1011-00	100pF CH
C120	176-1011-00	100pF CH
C201	042-0447-00	16V2200 μF
C202	172-1041-11	0.1 μF
C203	183-1073-21	10V100 μF
C204	183-2263-32	16V22 μF
C205	178-4732-78	0.047 μF
C206	042-0452-02	16V100 μF
C207	183-4763-31	16V47 μF
C208	178-2232-78	0.022 μF
C209	172-4731-11	0.047 μF
C210	183-1053-61	50V1 μF
C301	042-0592-58	16V 10 μF
C302	042-0592-58	16V 10 μF

REF No.	PART No.	DESCRIPTION
C303	042-0592-59	16V22 μF
C304	042-0592-58	16V 10 μF
C305	042-0592-58	16V 10 μF
C306	042-0592-58	16V 10 μF
C307	042-0592-58	16V 10 μF
C308	042-0592-58	16V 10 μF
C309	042-0592-58	16V 10 μF
C310	176-1201-00	12pF CH
C311	176-1201-00	12pF CH
C312	176-1201-00	12pF CH
C313	176-1201-00	12pF CH
C314	042-0592-58	16V 10 μF
C315	042-0592-58	16V 10 μF
C316	042-0592-58	16V 10 μF
C317	042-0592-58	16V 10 μF
C318	042-0592-58	16V 10 μF
C319	042-0592-58	16V 10 μF
C320	042-0592-58	16V 10 μF
C321	042-0592-74	50V 2.2 μF
C322	176-1011-00	100pF CH
C323	176-1011-00	100pF CH
C324	176-1011-00	100pF CH
C325	176-1011-00	100pF CH
C401	042-0592-50	6.3V 22 μF
C402	042-0592-50	6.3V 22 μF
C403	042-0592-58	16V 10 μF
C404	042-0592-58	16V 10 μF
C408	042-0592-58	16V 10 μF
C417	042-0592-58	16V 10 μF
C418	042-0592-58	16V 10 μF
C419	042-0592-58	16V 10 μF

REF No.	PART No.	DESCRIPTION
C420	042-0592-58	16V 10 μF
C421	042-0592-61	16V47 μF
C422	042-0592-61	16V47 μF
C423	183-1073-21	10V100 μF
C424	178-1522-78	1500pF
C425	183-1073-21	10V100 μF
C426	178-1522-78	1500pF
C427	183-1073-21	10V100 μF
C428	178-1522-78	1500pF
C429	183-1073-21	10V100 μF
C430	178-1522-78	1500pF
C431	042-0592-58	16V 10 μF
C432	042-0592-58	16V 10 μF
C433	042-0592-58	16V 10 μF
C434	042-0592-58	16V 10 μF
C435	184-2273-22	10V220 μF
C436	042-0592-50	6.3V 22 μF
C437	042-0592-50	6.3V 22 μF
C442	178-4732-78	0.047 μF
C443	176-1011-00	100pF CH
C444	176-1011-00	100pF CH
C501	042-0592-74	50V 2.2 μF
C502	042-0592-71	50V0.33 μF
C503	042-0592-74	50V 2.2 μF
C504	178-1822-78	1800pF
C505	178-1822-78	1800pF
C508	042-0592-58	16V 10 μF
C509	042-0592-58	16V 10 μF
C510	178-4712-78	470pF
C511	178-4712-78	470pF
C512	042-0592-74	50V 2.2 μF
C515	042-0592-73	50V1 μF
C516	042-0592-66	35V 4.7 μF
C517	042-0592-66	35V 4.7 μF
C518	042-0592-66	35V 4.7 μF
C519	042-0592-66	35V 4.7 μF
C520	042-0592-66	35V 4.7 μF
C521	042-0592-66	35V 4.7 μF
C522	042-0592-73	50V1 μF
C524	178-3322-78	3300pF
C525	178-1542-78	0.15 μF
C526	178-5632-78	0.056 μF
C527	178-5622-78	5600pF
C528	178-3322-78	3300pF
C529	178-1542-78	0.15 μF
C530	178-5632-78	0.056 μF
C531	178-5622-78	5600pF
C532	042-0592-61	16V47 μF
C533	184-1073-22	10V100 μF
C601	176-1801-00	18pF CH
C602	176-1801-00	18pF CH
C603	178-1032-78	0.01 μF
C604	042-0577-00	6.3V100 μF
C606	042-0592-58	16V 10 μF
C607	042-0596-00	5.5V0.33F
C608	183-1063-31	16V10 μF
C609	178-1032-78	0.01 μF
C610	178-1042-78	0.1 μF
C611	178-1042-78	0.1 μF
C612	178-4732-78	0.047 μF
C613	178-1032-78	0.01 μF
C614	178-4732-78	0.047 μF
C615	042-0592-66	35V 4.7 μF
C617	176-1011-00	100pF CH
C618	178-1022-78	1000pF
C619	176-1011-00	100pF CH
C801	178-2232-78	0.022 μF
C802	178-5612-78	560pF
C803	178-5612-78	560pF
C804	178-2232-78	0.022 μF
C805	178-1032-78	0.01 μF
C806	183-2253-62	50V2.2 μF
C807	178-3312-78	330pF
C808	183-4763-12	6.3V47 μF
C809	178-1042-78	0.1 μF
C810	176-8201-00	82pF CH
C811	176-4701-00	47pF CH
C812	176-1007-00	10pF CH

REF No.	PART No.	DESCRIPTION
C904	176-1011-00	100pF CH
C905	178-1032-78	0.01 μF
C906	183-1063-31	16V10 μF
C911	176-1011-00	100pF CH
C912	176-1011-00	100pF CH
D1	001-0516-00	MA111
D101	001-2403-90	M1F60
D102	001-2403-90	M1F60
D103	001-2403-90	M1F60
D104	001-2403-90	M1F60
D105	001-2403-90	M1F60
D106	001-2403-90	M1F60
D107	001-2403-90	M1F60
D108	001-2403-90	M1F60
D201	001-0592-00	RM4Z
D202	001-0503-46	HZS9B2L
D203	001-0377-11	MA4030M
D204	001-0466-00	S5688B
D205	001-0466-00	S5688B
D206	001-0423-31	MA4180
D207	001-0516-00	MA111
D208	001-0466-01	S5688G
D209	001-7011-02	CL-150YG-CD
D301	001-2406-90	1PS226
D401	001-2406-90	1PS226
D402	001-2405-90	1PS184
D403	001-0528-44	MA8082-M
D601	001-0659-00	SLP-181B-51
D603	001-0516-00	MA111
D604	001-0516-00	MA111
D605	001-0516-00	MA111
D606	001-0516-00	MA111
D607	001-0589-00	1SS145
D608	001-0516-00	MA111
D609	001-0528-47	MA8091-M
D801	001-2406-90	1PS226
D901	001-0516-00	MA111
D903	001-0503-47	HZS9B3L
IC1	051-6201-00	LC72146M
IC101	051-3029-90	MC33078D
IC102	051-3029-90	MC33078D
IC103	051-2025-00	TDA7386
IC201	051-3250-00	LE60CZ
IC301	051-3030-90	MC33079D
IC302	051-7247-08	74HC4066DT
IC303	051-3029-90	MC33078D
IC304	051-3028-90	MC4558ID
IC401	051-3029-90	MC33078D
IC404	051-3028-90	MC4558ID
IC407	051-5810-00	TDA8574T
IC408	051-5810-00	TDA8574T
IC501	051-5015-90	TEA6320T
IC504	051-3029-90	MC33078D
IC505	051-3028-90	MC4558ID
IC601	052-3347-00	M30620MC-336GP
IC602	051-6600-38	CA0008AM
IC603	051-5415-08	MC33464N-27ATR
IC604	051-5416-08	PCF1252-2T
IC801	051-3028-90	MC4558ID
IC802	051-1819-50	TDA7479D
J601	074-1194-00	13P CE-NET
J602	074-1198-18	18P
J901	074-0986-22	22P
L1	010-4007-00	30 μH
L2	010-2230-88	220 μH
L201	010-2230-76	22 μH
L401	010-2230-88	220 μH
L801	010-2230-88	220 μH
L901	010-6003-02	10 μH
Q1	103-1306-00	2SD1306
Q2	125-0002-03	RN2403
Q3	100-1162-00	2SA1162
Q4	100-1298-00	2SA1298
Q6	108-0669-00	2SK669
Q201	102-3420-00	2SC3420
Q202	108-0241-50	2SK241Y.GR
Q203	101-1237-50	2SB1237QR
Q204	102-2712-00	2SC2712

REF No.	PART No.	DESCRIPTION
Q205	100-1162-00	2SA1162
Q206	125-2004-03	RN1403
Q207	101-1143-00	2SB1143
Q208	103-1858-00	2SD1858
Q209	100-1162-00	2SA1162
Q210	102-2712-00	2SC2712
Q211	100-1416-00	2SA1416
Q212	125-2004-03	RN1403
Q301	103-1306-00	2SD1306
Q302	103-1306-00	2SD1306
Q303	103-1306-00	2SD1306
Q304	103-1306-00	2SD1306
Q305	125-2004-06	RN1406
Q306	125-0002-06	RN2406
Q308	125-2004-03	RN1403
Q401	125-2030-00	RN1410
Q402	125-2030-00	RN1410
Q403	125-2030-00	RN1410
Q404	125-2030-00	RN1410
Q405	125-2030-00	RN1410
Q406	125-2030-00	RN1410
Q408	125-0002-02	RN2402
Q409	125-0002-02	RN2402
Q410	125-0002-02	RN2402
Q412	125-2004-06	RN1406
Q413	102-2712-00	2SC2712
Q414	125-0002-06	RN2406
Q415	103-1306-00	2SD1306
Q416	103-1306-00	2SD1306
Q417	103-1306-00	2SD1306
Q418	103-1306-00	2SD1306
Q419	103-1306-00	2SD1306
Q420	103-1306-00	2SD1306
Q601	125-2004-03	RN1403
Q602	125-2004-06	RN1406
Q603	100-1298-00	2SA1298
Q604	125-2004-03	RN1403
Q605	100-1298-00	2SA1298
Q606	125-2004-03	RN1403
Q607	100-1162-00	2SA1162
Q608	102-2712-00	2SC2712
Q609	100-1162-00	2SA1162
Q801	125-2004-02	RN1402
Q902	103-1802-60	2SD1802FA-R.S.T
Q903	125-0002-02	RN2402
Q904	125-2004-02	RN1402
Q906	101-1240-00	2SB1240
Q907	125-2004-06	RN1406
R1	117-1831-10	1/10W 18kΩ
R2	117-3331-10	1/10W 33kΩ
R3	117-1021-10	1/10W 1kΩ
R4	117-1021-10	1/10W 1kΩ
R5	117-5631-10	1/10W 56kΩ
R6	117-1231-10	1/10W 12kΩ
R7	117-8221-10	1/10W 8.2kΩ
R8	117-1021-10	1/10W 1kΩ
R9	117-2241-10	1/10W 220kΩ
R10	117-1031-10	1/10W 10kΩ
R11	117-2231-10	1/10W 22kΩ
R12	117-4721-10	1/10W 4.7kΩ
R13	117-1031-10	1/10W 10kΩ
R14	117-1031-10	1/10W 10kΩ
R15	032-0104-73	1/4W 330Ω
R16	117-1031-10	1/10W 10kΩ
R17	117-1021-10	1/10W 1kΩ
R18	117-2221-10	1/10W 2.2kΩ
R19	117-1231-10	1/10W 12kΩ
R20	032-0104-65	1/4W 270Ω
R21	117-1021-10	1/10W 1kΩ
R22	117-1021-10	1/10W 1kΩ
R23	117-1521-10	1/10W 1.5kΩ
R24	117-1031-10	1/10W 10kΩ
R25	117-1031-10	1/10W 10kΩ
R26	117-1521-10	1/10W 1.5kΩ
R27	117-8211-10	1/10W 820Ω
R28	117-1001-10	1/10W 10Ω
R101	117-3311-10	1/10W 330Ω
R102	117-2231-10	1/10W 22kΩ

REF No.	PART No.	DESCRIPTION
R103	117-2231-10	1/10W 22kΩ
R104	117-3311-10	1/10W 330Ω
R105	117-3311-10	1/10W 330Ω
R106	117-2231-10	1/10W 22kΩ
R107	117-2231-10	1/10W 22kΩ
R108	117-3311-10	1/10W 330Ω
R109	032-0092-90	1/10W 10kΩ±1%
R110	032-0092-79	1/10W 5.6kΩ±1%
R111	032-0092-90	1/10W 10kΩ±1%
R112	032-0092-79	1/10W 5.6kΩ±1%
R113	032-0092-90	1/10W 10kΩ±1%
R114	032-0092-79	1/10W 5.6kΩ±1%
R115	032-0092-90	1/10W 10kΩ±1%
R116	032-0092-79	1/10W 5.6kΩ±1%
R117	032-0092-90	1/10W 10kΩ±1%
R118	032-0092-79	1/10W 5.6kΩ±1%
R119	032-0092-90	1/10W 10kΩ±1%
R120	032-0092-79	1/10W 5.6kΩ±1%
R121	032-0092-90	1/10W 10kΩ±1%
R122	032-0092-79	1/10W 5.6kΩ±1%
R123	032-0092-90	1/10W 10kΩ±1%
R124	032-0092-79	1/10W 5.6kΩ±1%
R125	117-1231-10	1/10W 12kΩ
R126	117-8221-10	1/10W 8.2kΩ
R201	117-2221-10	1/10W 2.2kΩ
R202	117-1031-10	1/10W 10kΩ
R203	032-0104-67	1/4W 1.2kΩ
R204	111-4700-91	1/4WS 47Ω
R205	117-1031-10	1/10W 10kΩ
R206	117-1031-10	1/10W 10kΩ
R207	117-1801-10	1/10W 18Ω
R208	117-6811-10	1/10W 680Ω
R209	032-0104-63	1/4W 1.5Ω
R210	032-0104-63	1/4W 1.5Ω
R211	032-0104-63	1/4W 1.5Ω
R212	032-0104-63	1/4W 1.5Ω
R213	117-1031-10	1/10W 10kΩ
R214	117-3321-10	1/10W 3.3kΩ
R215	117-3321-10	1/10W 3.3kΩ
R216	117-2231-10	1/10W 22kΩ
R217	117-1031-10	1/10W 10kΩ
R218	032-0104-67	1/4W 1.2kΩ
R219	117-2221-10	1/10W 2.2kΩ
R220	117-2221-10	1/10W 2.2kΩ
R221	032-0104-69	1/4W 1.5kΩ
R222	117-6811-10	1/10W 680Ω
R223	117-1011-10	1/10W 100Ω
R301	117-2231-10	1/10W 22kΩ
R302	117-2231-10	1/10W 22kΩ
R303	117-1021-10	1/10W 1kΩ
R304	117-1021-10	1/10W 1kΩ
R305	117-1021-10	1/10W 1kΩ
R306	117-1021-10	1/10W 1kΩ
R307	117-1021-10	1/10W 1kΩ
R308	117-1021-10	1/10W 1kΩ
R309	117-1021-10	1/10W 1kΩ
R310	117-1021-10	1/10W 1kΩ
R311	117-1021-10	1/10W 1kΩ
R312	117-2221-10	1/10W 2.2kΩ
R313	117-1021-10	1/10W 1kΩ
R314	117-2231-10	1/10W 22kΩ
R315	117-2721-10	1/10W 2.7kΩ
R316	117-2231-10	1/10W 22kΩ
R317	117-2721-10	1/10W 2.7kΩ
R318	117-1031-10	1/10W 10kΩ
R319	117-1031-10	1/10W 10kΩ
R320	117-1031-10	1/10W 10kΩ
R321	117-1031-10	1/10W 10kΩ
R322	117-1041-10	1/10W 100kΩ
R323	117-1041-10	1/10W 100kΩ
R324	117-1041-10	1/10W 100kΩ
R325	117-1041-10	1/10W 100kΩ
R326	117-1041-10	1/10W 100kΩ
R327	117-1041-10	1/10W 100kΩ
R328	117-1041-10	1/10W 100kΩ
R329	117-1041-10	1/10W 100kΩ
R330	117-1011-10	1/10W 100Ω

REF No.	PART No.	DESCRIPTION
R331	117-1011-10	1/10W 100Ω
R332	117-1011-10	1/10W 100Ω
R333	117-1011-10	1/10W 100Ω
R334	117-4731-10	1/10W 47kΩ
R335	032-0092-20	1/10W 2.7kΩ±1%
R336	032-0092-20	1/10W 2.7kΩ±1%
R337	032-0092-20	1/10W 2.7kΩ±1%
R338	032-0092-20	1/10W 2.7kΩ±1%
R339	032-0092-09	1/10W 47kΩ±1%
R340	032-0092-09	1/10W 47kΩ±1%
R341	032-0092-09	1/10W 47kΩ±1%
R342	032-0092-09	1/10W 47kΩ±1%
R343	117-1041-10	1/10W 100kΩ
R344	117-1041-10	1/10W 100kΩ
R350	117-3331-10	1/10W 33kΩ
R351	117-3331-10	1/10W 33kΩ
R352	117-1041-10	1/10W 100kΩ
R353	117-1031-10	1/10W 10kΩ
R354	117-1031-10	1/10W 10kΩ
R355	117-1031-10	1/10W 10kΩ
R357	117-0000-00	1/10W 0Ω JW
R358	117-0000-00	1/10W 0Ω JW
R401	117-2721-10	1/10W 2.7kΩ
R402	117-2721-10	1/10W 2.7kΩ
R403	117-1521-10	1/10W 1.5kΩ
R404	117-1521-10	1/10W 1.5kΩ
R405	117-3321-10	1/10W 3.3kΩ
R406	117-3321-10	1/10W 3.3kΩ
R407	117-8221-10	1/10W 8.2kΩ
R408	117-8221-10	1/10W 8.2kΩ
R409	117-2231-10	1/10W 22kΩ
R410	117-2231-10	1/10W 22kΩ
R411	117-1041-10	1/10W 100kΩ
R412	117-1041-10	1/10W 100kΩ
R413	117-1831-10	1/10W 18kΩ
R414	117-1031-10	1/10W 10kΩ
R415	117-1831-10	1/10W 18kΩ
R416	117-1031-10	1/10W 10kΩ
R419	117-0000-00	1/10W 0Ω JW
R421	117-0000-00	1/10W 0Ω JW
R427	117-1041-10	1/10W 100kΩ
R428	117-1241-10	1/10W 120kΩ
R429	117-1021-10	1/10W 1kΩ
R430	117-1021-10	1/10W 1kΩ
R431	117-1031-10	1/10W 10kΩ
R432	117-1021-10	1/10W 1kΩ
R433	117-2231-10	1/10W 22kΩ
R434	117-1021-10	1/10W 1kΩ
R437	117-0000-00	1/10W 0Ω JW
R438	117-0000-00	1/10W 0Ω JW
R454	117-2431-10	1/10W 24kΩ
R455	117-2431-10	1/10W 24kΩ
R456	117-2431-10	1/10W 24kΩ
R457	117-2431-10	1/10W 24kΩ
R458	117-3631-10	1/10W 36kΩ
R459	117-3631-10	1/10W 36kΩ
R460	117-3631-10	1/10W 36kΩ
R461	117-3631-10	1/10W 36kΩ
R462	117-2231-10	1/10W 22kΩ
R463	117-3311-10	1/10W 330Ω
R464	117-2231-10	1/10W 22kΩ
R465	117-3311-10	1/10W 330Ω
R466	117-2231-10	1/10W 22kΩ
R467	117-3311-10	1/10W 330Ω
R468	117-2231-10	1/10W 22kΩ
R469	117-3311-10	1/10W 330Ω
R470	117-1021-10	1/10W 1kΩ
R471	117-1021-10	1/10W 1kΩ
R472	117-2231-10	1/10W 22kΩ
R473	117-3311-10	1/10W 330Ω
R474	117-2231-10	1/10W 22kΩ
R475	117-3311-10	1/10W 330Ω
R476	117-1021-10	1/10W 1kΩ
R501	117-1031-10	1/10W 10kΩ
R502	117-2031-10	1/10W 20kΩ
R503	117-2031-10	1/10W 20kΩ
R504	117-1031-10	1/10W 10kΩ

REF No.	PART No.	DESCRIPTION
R505	117-4721-10	1/10W 4.7kΩ
R506	117-4721-10	1/10W 4.7kΩ
R507	117-2231-10	1/10W 22kΩ
R508	117-2231-10	1/10W 22kΩ
R509	117-3021-10	1/10W 3kΩ
R510	117-3021-10	1/10W 3kΩ
R511	117-4721-10	1/10W 4.7kΩ
R512	117-4721-10	1/10W 4.7kΩ
R524	117-1531-10	1/10W 15kΩ
R525	117-2721-10	1/10W 2.7kΩ
R526	117-1531-10	1/10W 15kΩ
R527	117-2721-10	1/10W 2.7kΩ
R528	117-4721-10	1/10W 4.7kΩ
R529	117-4721-10	1/10W 4.7kΩ
R601	117-4721-10	1/10W 4.7kΩ
R603	117-1041-10	1/10W 100kΩ
R607	117-4711-10	1/10W 470Ω
R608	117-2231-10	1/10W 22kΩ
R611	117-3321-10	1/10W 3.3kΩ
R612	117-3321-10	1/10W 3.3kΩ
R613	032-0104-64	1/4W 68Ω
R614	117-1031-10	1/10W 10kΩ
R615	117-3321-10	1/10W 3.3kΩ
R616	117-4731-10	1/10W 47kΩ
R617	117-1031-10	1/10W 10kΩ
R618	117-1531-10	1/10W 15kΩ
R619	117-4741-10	1/10W 470kΩ
R620	117-4721-10	1/10W 4.7kΩ
R621	117-2231-10	1/10W 22kΩ
R622	117-4731-10	1/10W 47kΩ
R623	117-4731-10	1/10W 47kΩ
R624	117-1031-10	1/10W 10kΩ
R625	117-5621-10	1/10W 5.6kΩ
R626	117-1521-10	1/10W 1.5kΩ
R627	117-3311-10	1/10W 330Ω
R628	117-1541-10	1/10W 150kΩ
R629	117-4321-10	1/10W 4.3kΩ
R630	117-8221-10	1/10W 8.2kΩ
R633	117-1831-10	1/10W 18kΩ
R634	117-4731-10	1/10W 47kΩ
R635	117-1031-10	1/10W 10kΩ
R636	117-1021-10	1/10W 1kΩ
R637	117-2241-10	1/10W 220kΩ
R801	117-1031-10	1/10W 10kΩ
R802	117-1231-10	1/10W 12kΩ
R803	117-3321-10	1/10W 3.3kΩ
R804	117-2231-10	1/10W 22kΩ
R805	117-1041-10	1/10W 100kΩ
R806	117-2211-10	1/10W 220Ω
R807	117-2221-10	1/10W 2.2kΩ
R901	117-0000-00	1/10W 0Ω JW
R902	117-0000-00	1/10W 0Ω JW
R904	117-0000-00	1/10W 0Ω JW
R906	117-1031-10	1/10W 10kΩ
R907	117-2231-10	1/10W 22kΩ
R908	117-1031-10	1/10W 10kΩ
R909	117-1031-10	1/10W 10kΩ
R910	117-1031-10	1/10W 10kΩ
R911	117-1031-10	1/10W 10kΩ
R912	117-1031-10	1/10W 10kΩ
R914	117-0000-00	1/10W 0Ω JW
R917	117-0000-00	1/10W 0Ω JW
R921	117-0000-00	1/10W 0Ω JW
R922	032-0104-65	1/4W 270Ω
R925	117-1031-10	1/10W 10kΩ
R926	032-0104-67	1/4W 1.2kΩ
R927	032-0104-67	1/4W 1.2kΩ
R930	117-0000-00	1/10W 0Ω JW
S401	013-5102-00	
S606	013-6100-00	SKHLLB
SUP1	060-0122-10	DSP-201M-S00B
T201	009-9006-85	CHOKE
X1	061-1066-00	7.2MHz
X601	060-1505-50	10MHz
X602	061-3506-90	10MHz
X801	061-3013-00	4.33MHz

Switch PWB section(B2)

REF No.	PART No.	DESCRIPTION
C701	042-0397-00	16V1 μF TAN
C702	042-0397-00	16V1 μF TAN
C703	178-1042-78	0.1 μF
C704	178-1042-78	0.1 μF
C705	178-1042-78	0.1 μF
C706	178-1042-78	0.1 μF
C707	178-1042-78	0.1 μF
C708	042-0416-02	10V10 μF
C709	178-1042-78	0.1 μF
C710	042-0416-02	10V10 μF
C712	178-2232-78	0.022 μF
C713	178-2232-78	0.022 μF
CCT701	050-0122-07	100Ω×4
CCT702	050-0122-07	100Ω×4
CCT703	050-0122-00	10kΩ×4 J
D701	001-0516-00	MA111
D702	001-0516-00	MA111
D703	001-0516-00	MA111
D704	001-0516-00	MA111
D705	001-0516-00	MA111
D706	001-0516-00	MA111
D707	001-7039-00	NSCM310A
D727	001-7030-00	NSPB310A
D728	001-7030-00	NSPB310A
D729	001-7030-00	NSPB310A
D730	001-7011-02	CL-150YG-CD
IC701	051-6018-00	SED1526FEA
IC702	052-7040-00	M30622MC-193GP
IC703	051-9400-38	M93C46-WMN6T
IR701	060-4008-00	RS171
P701	076-0535-01	15P
Q701	060-4011-00	CPT-182S-C

REF No.	PART No.	DESCRIPTION
Q702	125-2004-06	RN1406
Q703	125-2004-06	RN1406
Q704	125-2004-06	RN1406
Q705	102-2712-51	2SC2712G.L
R701	032-0092-35	1/10W 680kΩ±1%
R702	032-0092-83	1/10W 910kΩ±1%
R703	032-0092-76	1/10W 39kΩ±1%
R716	117-2211-10	1/10W 220Ω
R717	117-1511-10	1/10W 150Ω
R718	117-1511-10	1/10W 150Ω
R719	117-4721-10	1/10W 4.7kΩ
R720	117-4721-10	1/10W 4.7kΩ
R721	117-1011-10	1/10W 100Ω
R723	117-1041-10	1/10W 100kΩ
R724	117-3921-10	1/10W 3.9kΩ
R726	117-1221-10	1/10W 1.2kΩ
R727	117-1221-10	1/10W 1.2kΩ
R728	117-1521-10	1/10W 1.5kΩ
R729	117-1521-10	1/10W 1.5kΩ
R730	117-1521-10	1/10W 1.5kΩ
R731	117-1521-10	1/10W 1.5kΩ
R732	117-1221-10	1/10W 1.2kΩ
R733	117-1221-10	1/10W 1.2kΩ
R734	117-1221-10	1/10W 1.2kΩ
R735	117-1221-10	1/10W 1.2kΩ
R736	117-1521-10	1/10W 1.5kΩ
R737	117-1521-10	1/10W 1.5kΩ
R738	117-1521-10	1/10W 1.5kΩ
R739	117-1521-10	1/10W 1.5kΩ
R740	032-0092-80	1/10W 330Ω±1%
R741	032-0092-80	1/10W 330Ω±1%
R742	032-0092-80	1/10W 330Ω±1%

REF No.	PART No.	DESCRIPTION
R743	032-0092-80	1/10W 330Ω±1%
R744	032-0092-80	1/10W 330Ω±1%
R745	032-0092-80	1/10W 330Ω±1%
R746	117-1221-10	1/10W 1.2kΩ
R747	117-1221-10	1/10W 1.2kΩ
R753	117-0000-00	1/10W 0Ω JW
R754	117-0000-00	1/10W 0Ω JW
R756	117-1031-10	1/10W 10kΩ
S701	013-8001-00	JRS0000-1401
S702	013-6504-00	LS9J2M-1YG
S703	013-6504-00	LS9J2M-1YG
S704	013-6504-00	LS9J2M-1YG
S705	013-6504-00	LS9J2M-1YG
S706	013-6504-00	LS9J2M-1YG
S707	013-6504-00	LS9J2M-1YG
S708	013-6504-00	LS9J2M-1YG
S709	013-6504-00	LS9J2M-1YG
S710	013-6504-00	LS9J2M-1YG
S711	013-6504-00	LS9J2M-1YG
S712	013-6504-00	LS9J2M-1YG
S713	013-6504-00	LS9J2M-1YG
S714	013-6504-00	LS9J2M-1YG
S715	013-6504-00	LS9J2M-1YG
S716	013-6504-00	LS9J2M-1YG
S717	013-6504-00	LS9J2M-1YG
S718	013-6504-00	LS9J2M-1YG
S719	013-6302-50	SKQMAL
S720	013-6302-50	SKQMAL
S721	013-6504-00	LS9J2M-1YG
S722	013-6504-00	LS9J2M-1YG
TH701	002-0216-07	DTN-T203S223KS
X701	060-1505-50	10MHz

DCP PWB section(B3)

REF No.	PART No.	DESCRIPTION
J801	074-1145-01	15P

ISO PWB section(B4)

REF No.	PART No.	DESCRIPTION
J201	074-1115-00	OUTLET SOCKET

Tape mechanism Side PWB section(B5)

REF No.	PART No.	DESCRIPTION
C1	175-3311-00	330pF CH
C2	175-3311-00	330pF CH
C3	175-3311-00	330pF CH
C4	175-3311-00	330pF CH
C5	183-4763-11	6.3V47 μF
C6	042-0552-02	10V68 μF
C7	042-0552-02	10V68 μF
C8	173-1231-10	0.012 μF J
C9	173-1231-10	0.012 μF J
C10	183-4753-51	35V4.7 μF
C11	183-1043-61	50V0.1 μF
C12	175-5611-00	560pF CH

REF No.	PART No.	DESCRIPTION
C13	183-4743-61	50V0.47 μF
C14	183-2263-31	16V22 μF
C15	183-4753-51	35V4.7 μF
C16	183-4753-51	35V4.7 μF
IC1	051-1546-10	BA3430S
J1	074-0881-08	8P
R1	111-1241-91	1/4WS 120kΩ
R2	111-1241-91	1/4WS 120kΩ
R3	111-1241-91	1/4WS 120kΩ
R4	111-1241-91	1/4WS 120kΩ
R5	116-1011-10	1/8W 100Ω
R6	116-1011-10	1/8W 100Ω

REF No.	PART No.	DESCRIPTION
R7	117-3341-10	1/10W 330kΩ
R8	117-1131-10	1/10W 11kΩ
R9	117-1531-10	1/10W 15kΩ
R10	117-1531-10	1/10W 15kΩ
R11	117-1131-10	1/10W 11kΩ
R12	117-3341-10	1/10W 330kΩ
R13	117-1811-10	1/10W 180Ω
R14	117-8211-10	1/10W 820Ω
R15	116-2231-10	1/8W 22kΩ
R16	117-1031-10	1/10W 10kΩ
R17	117-1031-10	1/10W 10kΩ

Tape mechanism Rear PWB section(B6)

REF No.	PART No.	DESCRIPTION
C102	178-1042-78	0.1 μF
C103	163-4763-30	16V 47 μF
C107	163-1053-60	50V 1 μF
C108	163-1053-60	50V 1 μF
C109	163-4763-30	16V 47 μF
C110	163-4763-30	16V 47 μF
C111	043-0296-50	0.1 μF
C112	043-0296-50	0.1 μF
C113	163-1063-30	16V 10 μF

REF No.	PART No.	DESCRIPTION
C114	043-0296-52	0.068 μF
C115	043-0296-52	0.068 μF
C116	163-4763-30	16V47 μF
IC101	051-5203-00	IC CXA2502M
IC102	051-1014-05	TA7291F
P101	076-0353-08	8P
Q106	125-2004-03	RN1403
Q107	125-2004-03	RN1403
R101	117-2031-10	1/10W 20kΩ

REF No.	PART No.	DESCRIPTION
R102	117-2721-10	1/10W 2.7kΩ
R103	117-2221-10	1/10W 2.2kΩ
R104	117-2721-10	1/10W 2.7kΩ
R106	117-1031-10	1/10W 10kΩ
R107	116-2711-10	1/8WS 270Ω
S101	013-3906-00	STMR17
VR101	012-4318-06	10kΩ VR
VR102	012-4318-06	10kΩ VR

Tape mechanism Bottom PWB section(B7)

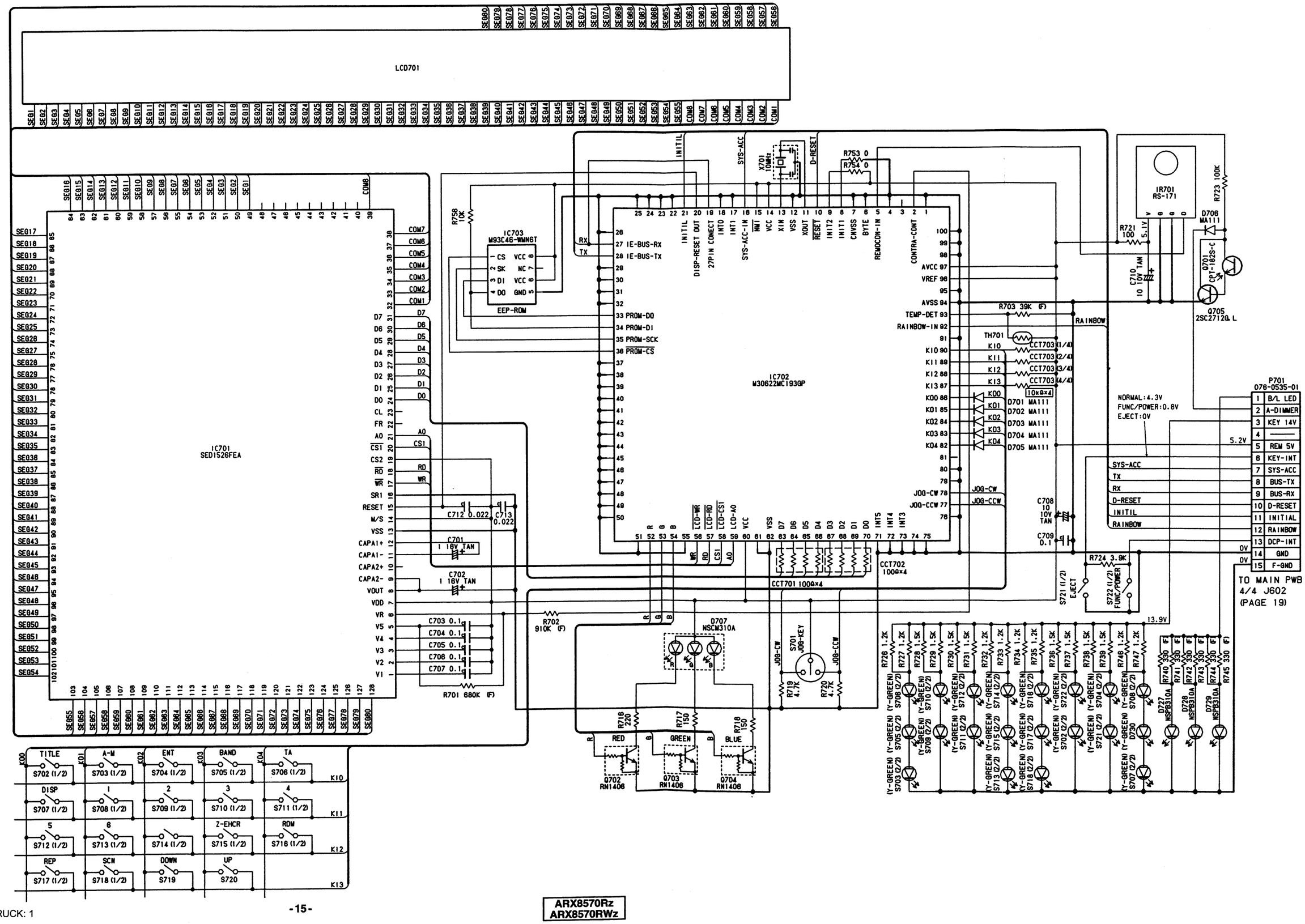
REF No.	PART No.	DESCRIPTION
IC2	051-1776-00	NJL5801K-C

REF No.	PART No.	DESCRIPTION
S1	013-7300-00	HMW0605

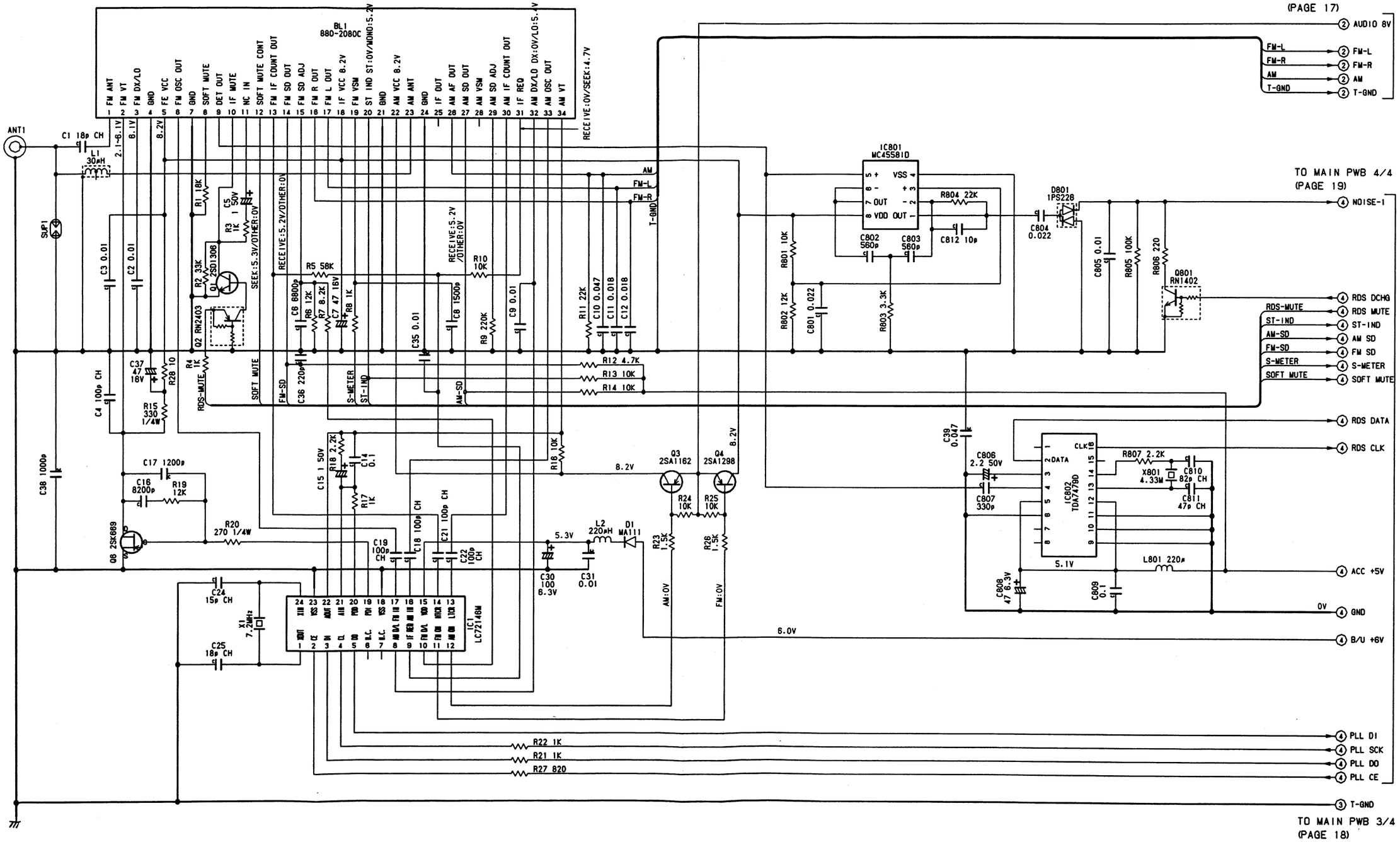
REF No.	PART No.	DESCRIPTION
S2	013-3953-01	SPPB32

■CIRCUIT DIAGRAM

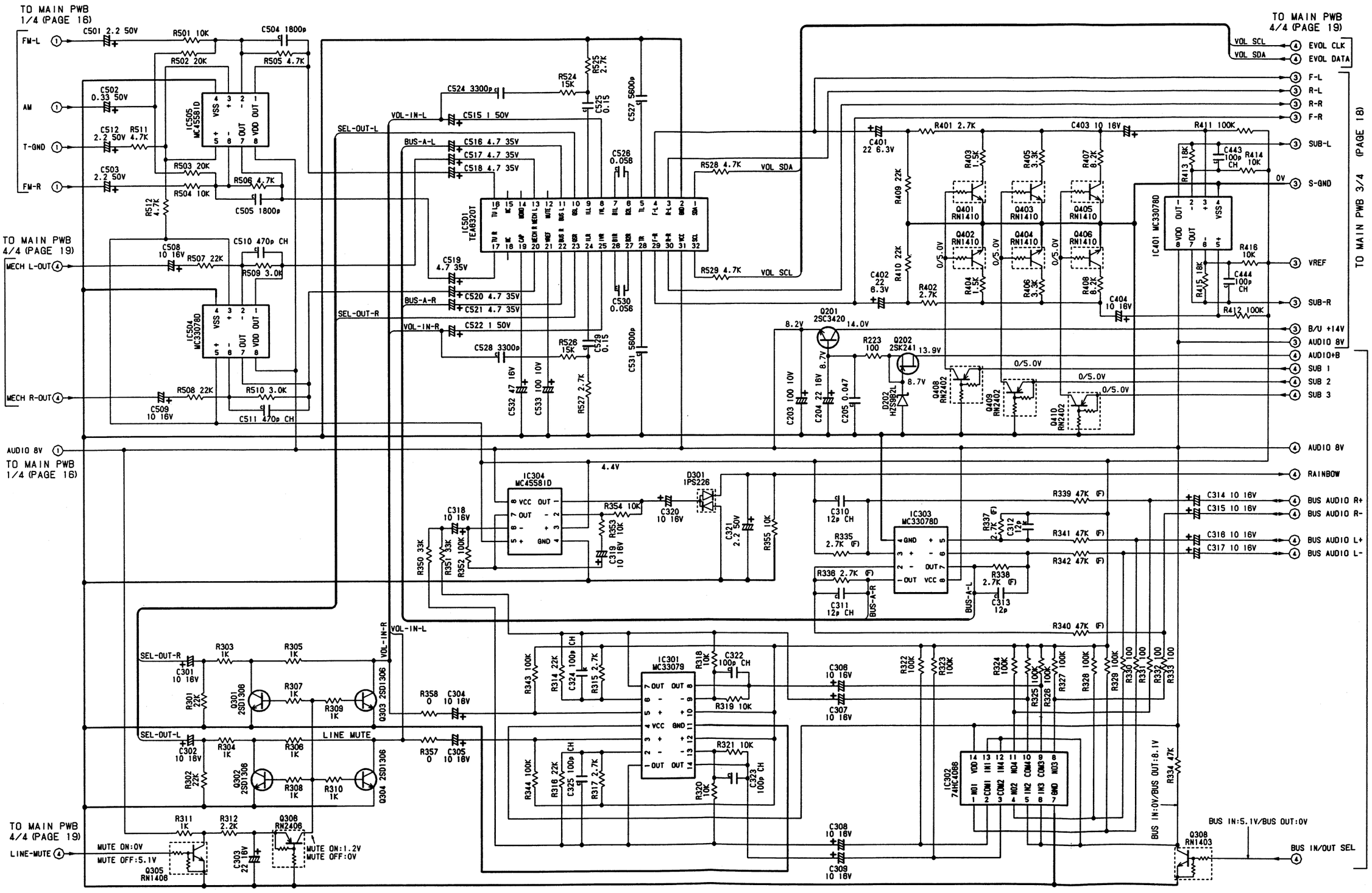
Switch PWB section(B2)

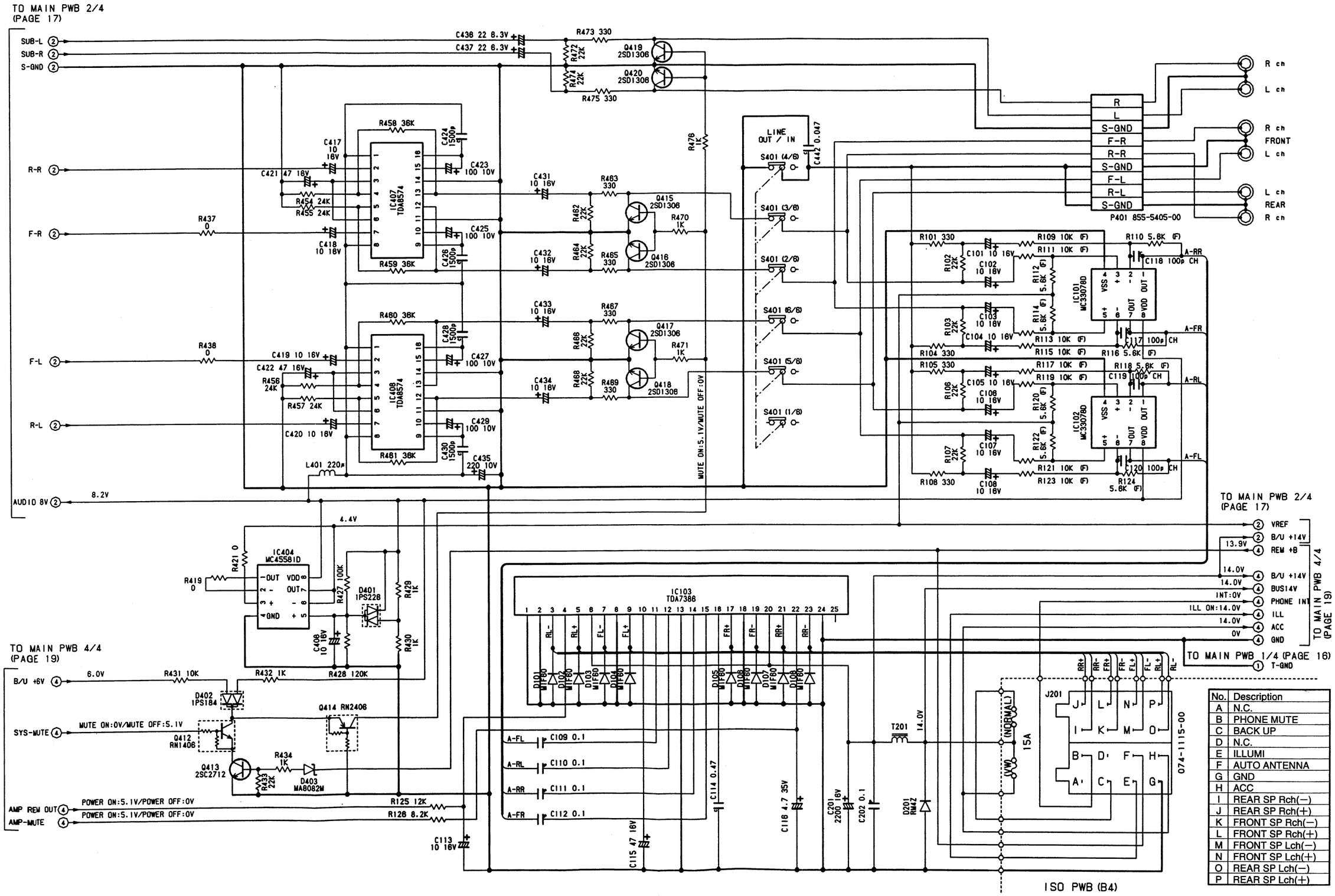


Main PWB section 1/4(B1)



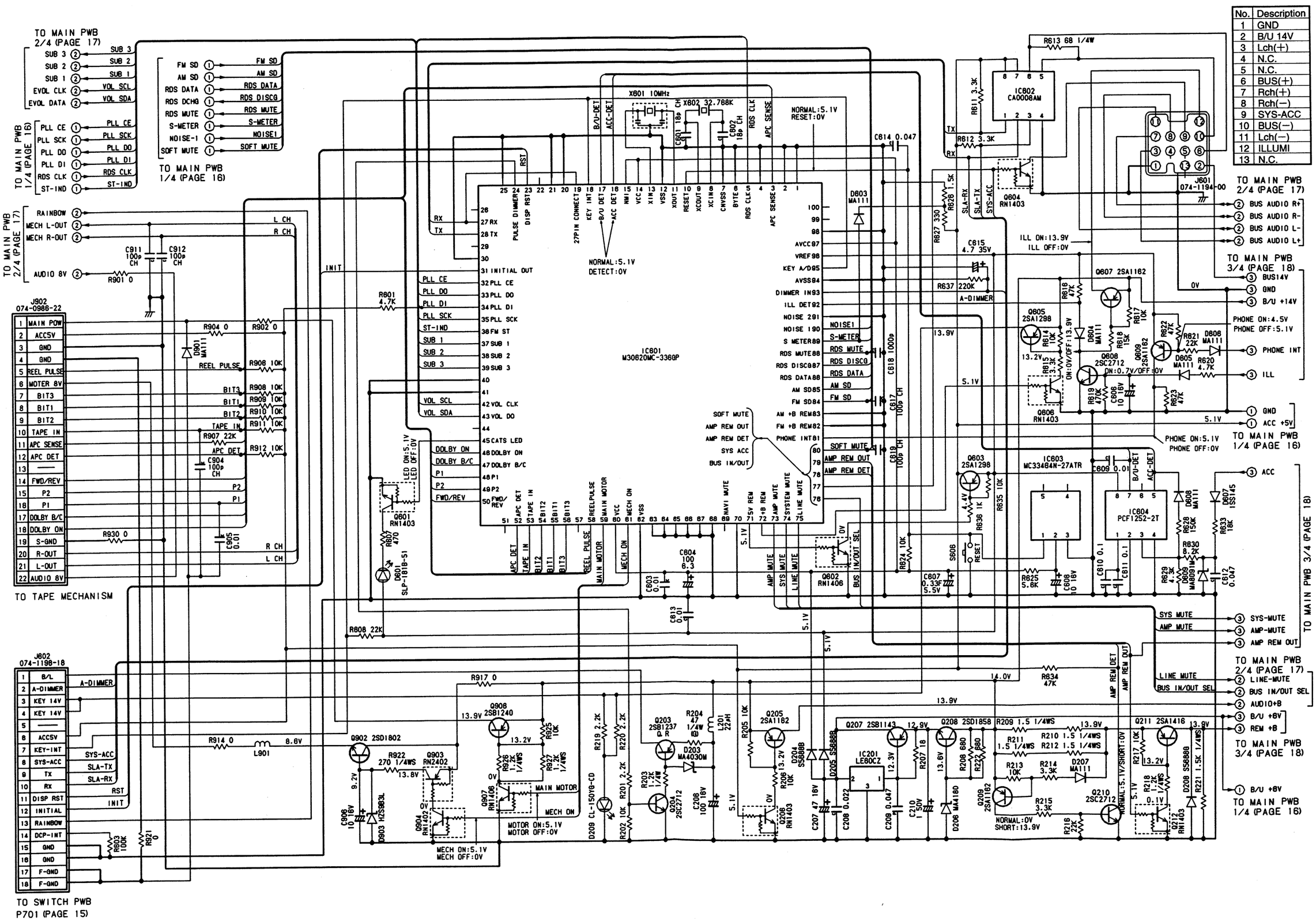
Main PWB section 2/4(B1)





No.	Description
A	N.C.
B	PHONE MUTE
C	BACK UP
D	N.C.
E	ILLUMI
F	AUTO ANTENNA
G	GND
H	ACC
I	REAR SP Rch(−)
J	REAR SP Rch(+)
K	FRONT SP Rch(−)
L	FRONT SP Rch(+)
M	FRONT SP Lch(−)
N	FRONT SP Lch(+)
O	REAR SP Lch(−)
P	REAR SP Lch(+)

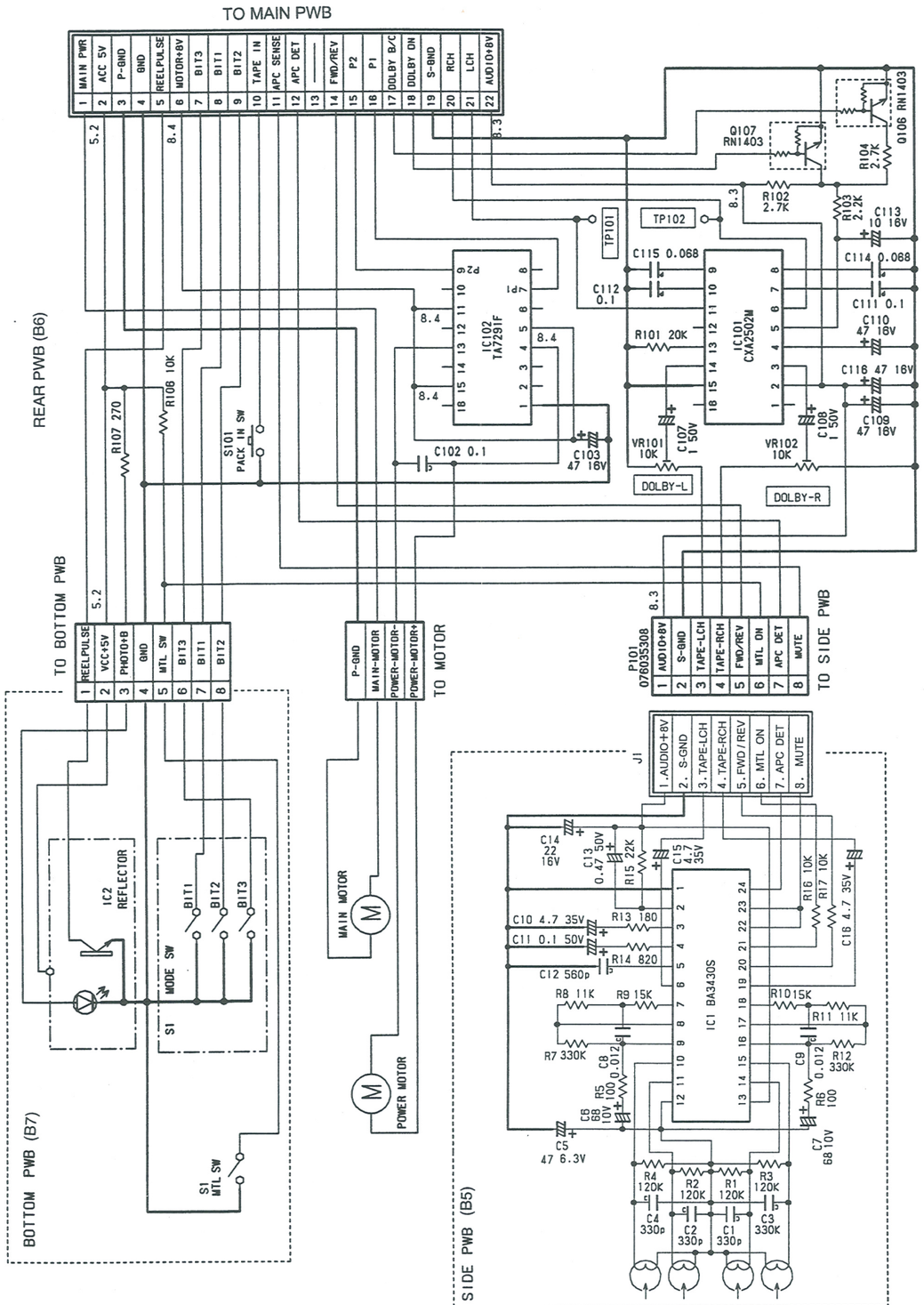
Main PWB section 4/4(B1)



No.	Description
1	GND
2	B/U 14V
3	Lch(+)
4	N.C.
5	N.C.
6	BUS(+)
7	Rch(+)
8	Rch(−)
9	SYS-ACC
10	BUS(−)
11	Lch(−)
12	ILLUMI
13	N.C.

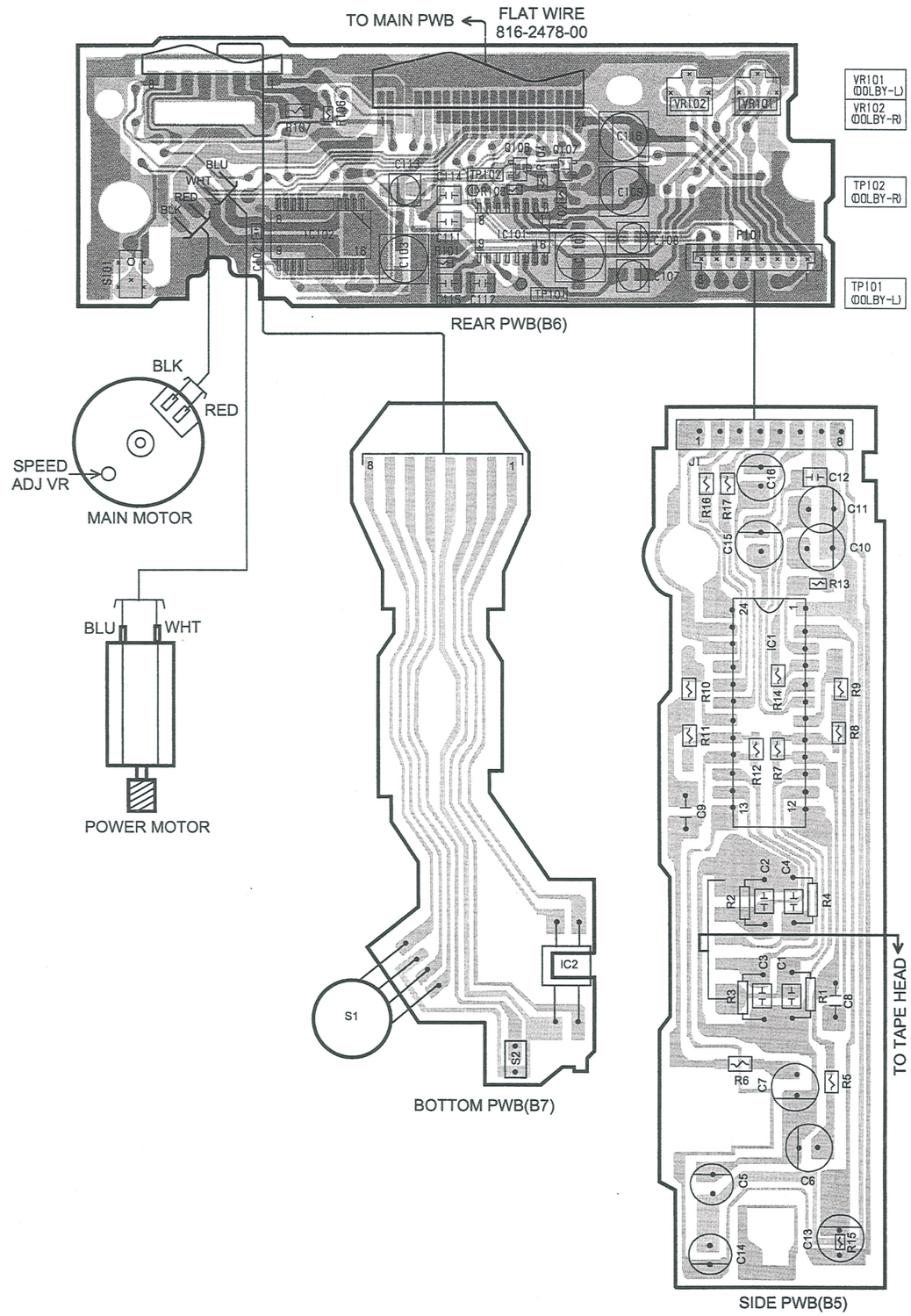
■CIRCUIT DIAGRAM

Tape mechanism section(B5,B6,B7)



■PRINTED WIRING BOARD

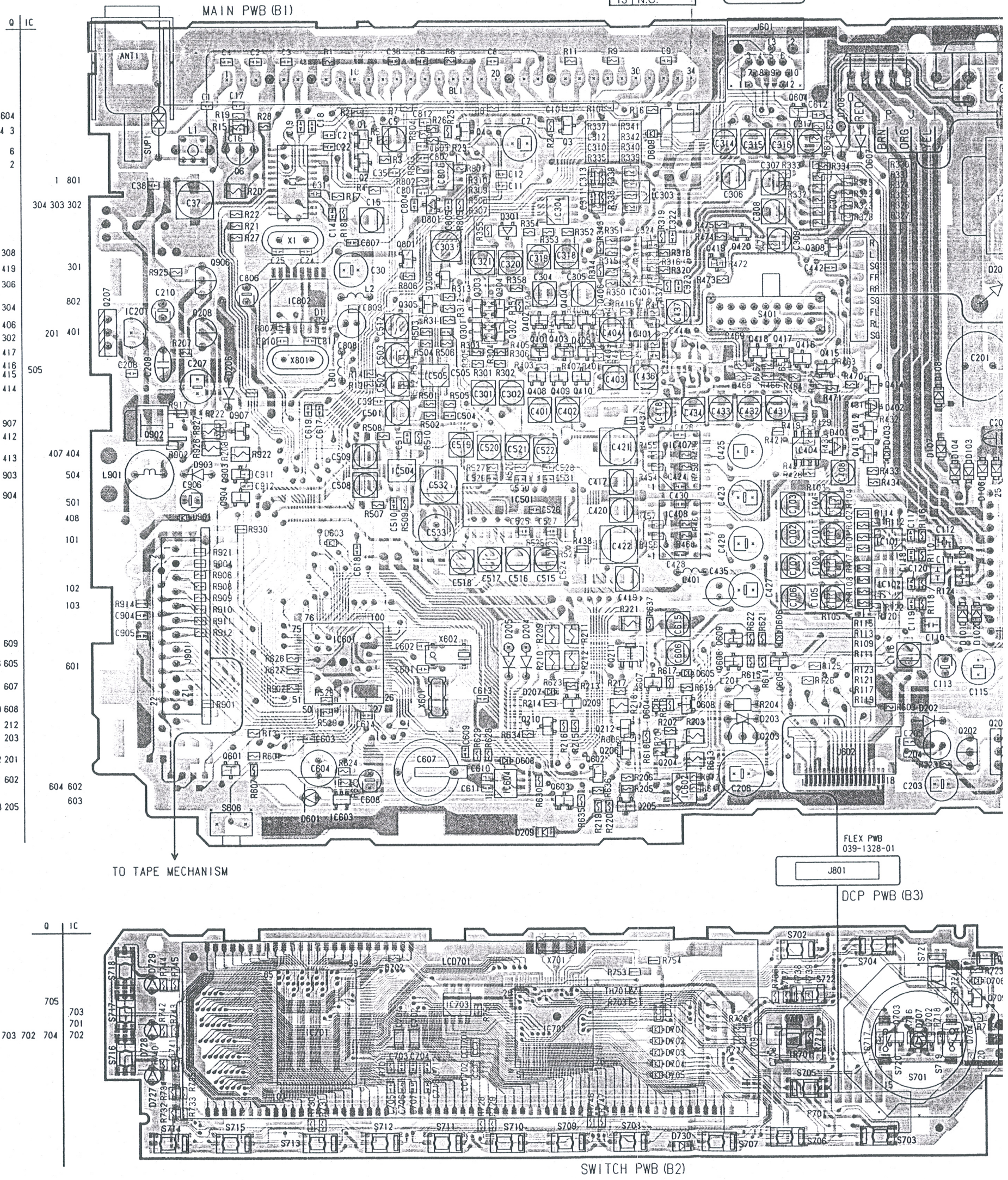
Tape mechanism section(B5,B6,B7)

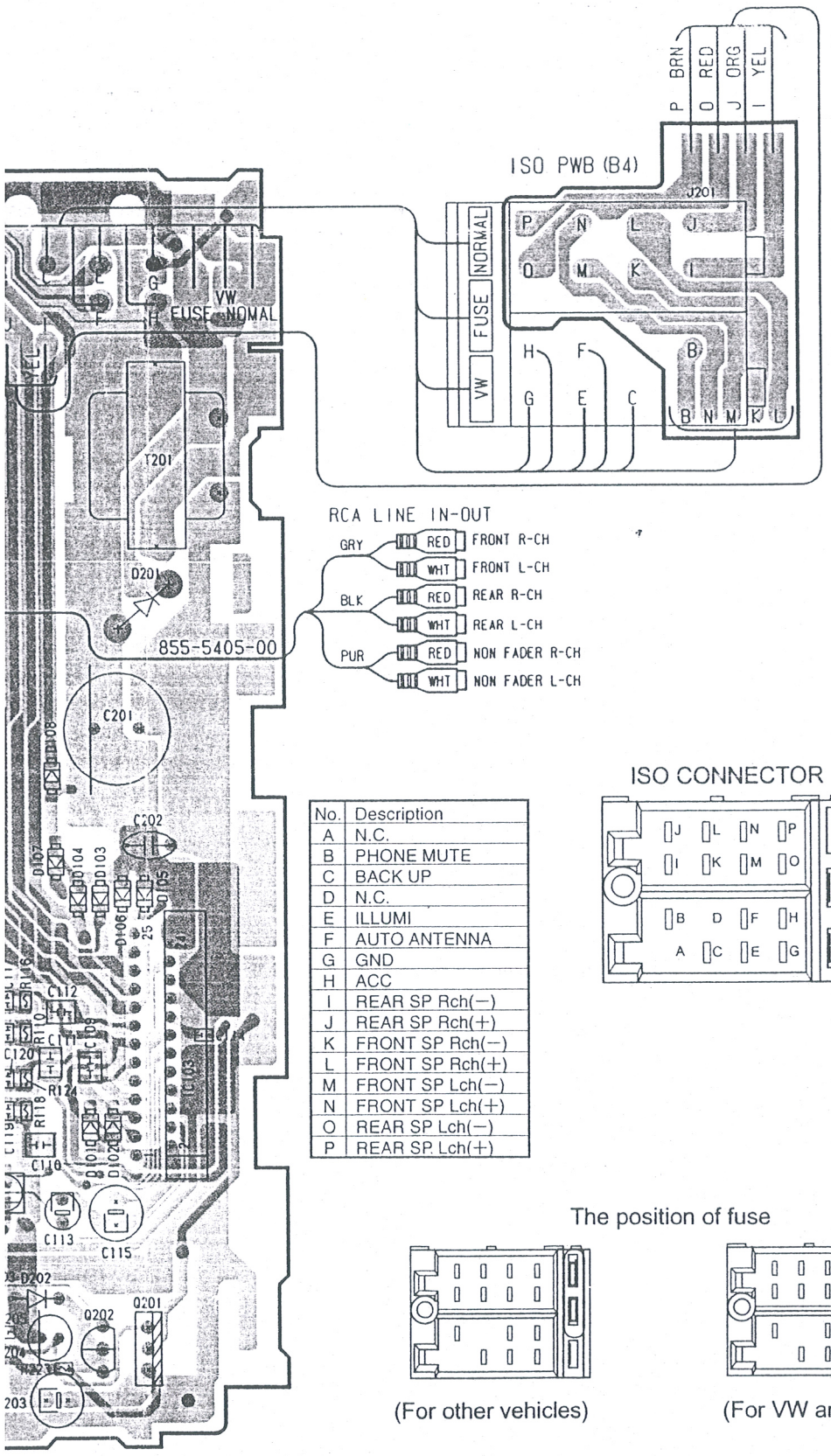


ARX8570Rz
ARX8570RWz

Main PWB(B1) / Switch PWB(B2) / DCP PWB(B3) / ISO PWB(B4) section

No.	Description
1	GND
2	B/U 14V
3	Lch(+)
4	N.C.
5	N.C.
6	BUS(+)
7	Rch(+)
8	Rch(−)
9	SYS-ACC
10	BUS(−)
11	Lch(−)
12	ILLUMI
13	N.C.





RCA LINE IN-OUT

GRY	RED	FRONT R-CH
	WHT	FRONT L-CH
BLK	RED	REAR R-CH
	WHT	REAR L-CH
PUR	RED	NON FADER R-CH
	WHT	NON FADER L-CH

No.	Description
A	N.C.
B	PHONE MUTE
C	BACK UP
D	N.C.
E	ILLUMI
F	AUTO ANTENNA
G	GND
H	ACC
I	REAR SP Rch(−)
J	REAR SP Rch(+)
K	FRONT SP Rch(−)
L	FRONT SP Rch(+)
M	FRONT SP Lch(−)
N	FRONT SP Lch(+)
O	REAR SP Lch(−)
P	REAR SP Lch(+)

ISO CONNECTOR

The position of fuse

(For other vehicles)

(For VW and Audi)

● ● THIS MARK MEANS EARTH PATTERN.

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